

Paper Code: 5111

Programme	Course Code	Exam Code
Bachelor of Arts	BARL-5026	121205
Bachelor of Science <i>Eco.</i>	BECL-5026	121305

Semester – V

Course Title: Banking (Quantitative Aptitude-I)

Time: 2:00 Hours

Max. Marks: 80

Note: Candidates are required to attempt forty (40) MCQs, selecting at least eight (8) MCQs from each section. The remaining eight (8) MCQs may be attempted from any section. Each question carries 2 marks.

Section – A

1. $4900 \div 28 \times 444 \div 12 - 6450 = (?)^2$
a) 6 b) 7 c) 5 d) 4
2. If $45 - [28 - \{37 - (15 - x)\}] = 58$, then x is equal to:
a) -29 b) -19 c) 19 d) 29
3. The value of $0.008 \times 0.01 \times 0.0072 \div (0.12 \times 0.0004)$ is:
a) 0.012 b) 0.12 c) 1.02 d) 1.2
4. What is the value of $\frac{(P+Q)}{(P-Q)}$ if $\frac{P}{Q} = 7$?
a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) $\frac{4}{3}$ d) $\frac{7}{8}$
5. $3 - [1.6 - \{3.2 - (3.2 + 2.25 \div x)\}] = 0.65$. The value of x is:
a) 0.3 b) 0.7 c) 3 d) 7
6. If $\frac{2x}{1 + \frac{1}{1 + \frac{x}{1-x}}} = 1$, then find the value of x.
a) $\frac{2}{3}$ b) $\frac{2}{4}$ c) $\frac{2}{5}$ d) None
7. $\frac{180 \times 15 - 12 \times 20}{140 \times 8 + 2 \times 55}$
a) $\frac{1}{7}$ b) $\frac{4}{5}$ c) 2 d) 4

8. $\frac{4}{15}$ of $\frac{5}{7}$ of a number is greater than $\frac{4}{9}$ of $\frac{2}{5}$ of the same number by 8. What is half of that number?
a) 630 b) 315 c) 310 d) 300
9. Three numbers are in ratio 1:2:3 and their HCF is 12. The numbers are:
a) 4, 8, 12 b) 10, 20, 30
c) 5, 10, 15 d) 12, 24 and 36
10. What is smallest number of five digits exactly divisible by 16, 24, 36 and 54?
a) 10378 b) 10367 c) 10369 d) 10368
11. The HCF of two numbers is 11 and their LCM is 693. If one number is 77, what is other number?
a) 99 b) 98 c) 88 d) 96
12. Find the next number in the series: 8, 27, 64, 125, ...?
a) 200 b) 216 c) 256 d) 150
13. Find the L.C.M. OF the 16, 24, 36, and 54.
a) 432 b) 400 c) 431 d) 402
14. Complete the series 3, 8, 15, ?, 35
a) 19 b) 21 c) 24 d) 28
15. Complete the series missing frequency: 625, 5, 125, 25, 25, ? 5.
a) 5 b) 25 c) 125 d) 625

Section – B

16. A student calculates the arithmetic mean of the following 5 numbers: 10, 15, 20, 25 and x. He found the mean is 15. Find out the value of x?
a) 3 b) 5 c) 18 d) 7
17. The average of the marks obtained in a mock test by 8 boys was 50 and by 2 girls was 80. The average marks of all 10 students were –
a) 56 b) 50 c) 62 d) 60

18. What would be the annual interest accrued on a deposit of Rs. 10,000 in a bank that pays a 4% per annum rate of simple interest?
a) 300 b) 600 c) 500 d) 400
19. Find the simplest interest on Rs. 68,000 at $16\frac{2}{3}\%$ per annum for 9 months.
a) 8500 b) 9600 c) 6500 d) 7400
20. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?
a) $28\frac{4}{7}$ years b) $32\frac{1}{7}$ years
c) $31\frac{5}{7}$ years d) None of these
21. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?
a) Rs. 1090 b) Rs. 1160 c) Rs. 1190 d) Rs. 1202
22. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:
a) Rs. 3500 b) Rs. 4000 c) Rs. 4050 d) Rs. 5000
23. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
a) 15 b) 16 c) 18 d) 25
24. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?
a) 3 b) 6 c) 5 d) 7
25. A shopkeeper takes 10% profit on his goods. He lost 20% of his goods during a theft. What is his loss per cent?
a) 12% b) 16% c) 18% d) 25%
26. By selling 100 notebooks, a shopkeeper gains the selling price of 20 notebooks. What is his gain percentage?
a) 15 % b) 18% c) 16 % d) 25%

27. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is:
a) 2 years b) 2.5 years c) 3 years d) 4 years
28. A sum of Rs. 1600 gives a simple interest of Rs 252 in 2 years and 4 months. The rate of interest per annum is:
a) 6 % b) 6.25% c) 6.5% d) 6.75%
29. If selling price of an article is $\frac{4}{3}$ of its cost price, the profit in the transaction is:
a) 16.66% b) 20.5% c) 25.5% d) 33.33%
30. Average of 12 numbers is 15. If a number 41 is also included, then what will be the average of these 13 numbers?
a) 16 b) 18 c) 19 d) 17

Section – C

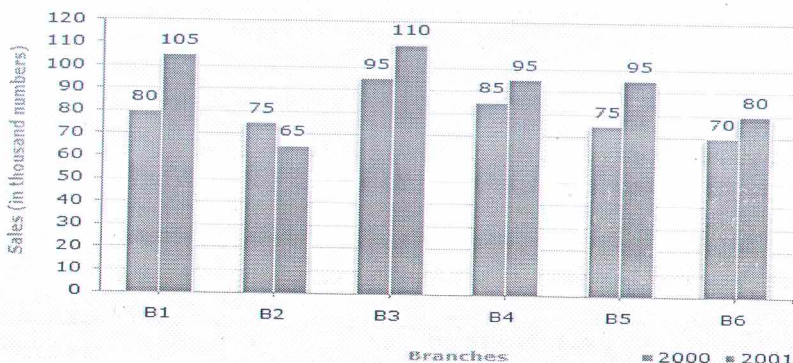
31. A father is twice as old as his daughter. If 20 years ago, the age of the father was 10 times the age of the daughter, what is the present age of the father?
a) 40 years b) 32 years c) 33 years d) 45 years
32. A can do a work in 3 days. B can do the same work in 6 days and C can do the same work in 7 days. If they work together, in how many days will they take to complete the work?
a) $\frac{11}{10}$ Days b) $\frac{15}{16}$ Days c) $\frac{14}{9}$ Days d) $\frac{16}{7}$ Days
33. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:
a) 50 km b) 56 km c) 70 km d) 80km
34. What is Ram's present age, if after 8 years his age will be 10 times his age 10 years back?
a) 11 years b) 21 years c) 12 years d) 32 years
35. An athlete runs 200 meters race in 24 seconds. His speed is:
a) 30 b) 37 c) 35 d) None of these

36. 25 men can do a work in 5 days. Find the amount of work done by 5 men in 10 days.
a) 25% b) 30% c) 35% d) 40%
37. The present age of Kabir is 50 years and that of his wife, Sarah is 40 years. How long ago was the ratio of their ages 3:2?
a) 20 years b) 21 years c) 15 years d) 30 years
38. 10 men can do a piece of work in 25 days. Find the amount of work done by 35 men in 2.5 days.
a) 25% b) 35% c) 45% d) 55%
39. Walking at $\frac{5}{6}$ of its usual speed, a train is 10 minutes too late. Find its usual time to cover the journey.
a) 50 b) 60 c) 70 d) 75
40. The present ratio between the ages of Archana and Diksha is 4: 3. After 5 years, Archana's age will be 25 years. What is the age of Diksha at present?
a) 12 years b) 20 years c) 15 years d) 22 years
41. A can complete a work in 12 days and B can complete in 8 days. A works for 8 hours every day while B works for 10 hours every day. If A and B together start working 8 hours per day, in how many days will they complete the work?
a) 8 days b) $\frac{60}{11}$ days c) $\frac{39}{12}$ days d) $\frac{15}{8}$ days
42. A Car moves at the speed of 80 km/hr. What is the speed of the car in meters per second?
a) 8 b) 20 c) 25 d) None of these
43. The present ages of three persons, Raj, Rajesh and Ravi is in proportions 4: 7: 9. Eight years ago, the sum of their ages was 56. What is the present age of Ravi?
a) 22 years b) 43 years c) 76 years d) 36 years
44. A and B can finish a piece of work in 30 days, B and C can finish it in 15 days, C and A in 10 days. Time taken by them together to do this work is?
a) 5 days b) 7 days c) 2 days d) 10 days

45. In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is:
- a) 5 kmph b) 6 kmph c) 6.25 kmph d) 7.5 kmph

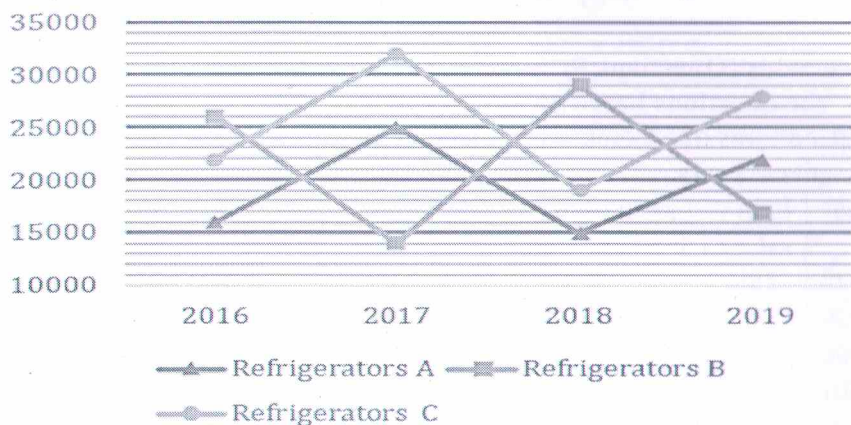
Section – D

Directions (Questions 46 to 50): The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001. Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



46. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?
- a) 2:3 b) 3:5 c) 4:5 d) 7:9
47. Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?
- a) 68.54% b) 71.11% c) 73.17% d) 75.55%
48. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?
- a) 75% b) 77.5% c) 82.5% d) 87.5%
49. What are the average sales of all the branches (in thousand numbers) for the year 2000?
- a) 73 b) 80 c) 83 d) 88

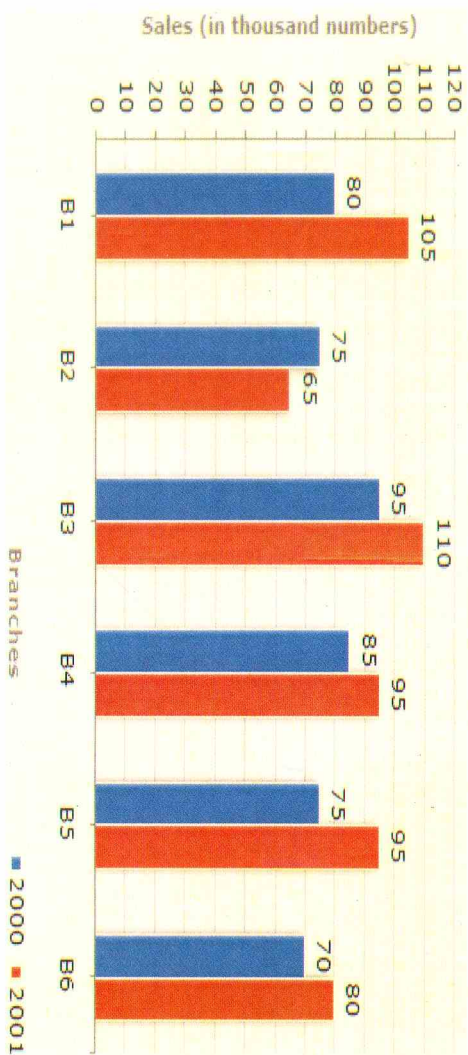
Direction (56-60): Line graph given below shows the selling prices (in rupees) of three types of Refrigerators (A, B & C) in four different years i.e. 2016, 2017, 2018, and 2019 for a shopkeeper.



56. If a discount of 24% is given on refrigerator C sold in 2018 and ratio of MP to CP of C in 2018 is 5: 3. then find the difference between the discount allowed and profit earned on C in 2018. (in rupees)
 a) 5000 b) 4000 c) 2000 d) 6000
57. Find out average selling price of refrigerator A in all the given years. (in rupees)
 a) 16500 b) 22500 c) 18500 d) 19500
58. Find out the ratio between selling price of refrigerator C in 2018 and the selling price of refrigerator A in 2017?
 a) 20:21 b) 18:25 c) 19:25 d) 23:27
59. In which year sum of selling price of all 3 types of the refrigerator was the lowest?
 a) 2019 b) 2018
 c) 2017 d) 2016 and 2018
60. Selling price of refrigerator, A in year 2018 is approx. what percent of selling price of refrigerator B in 2019?
 a) 78% b) 88% c) 82% d) 72%

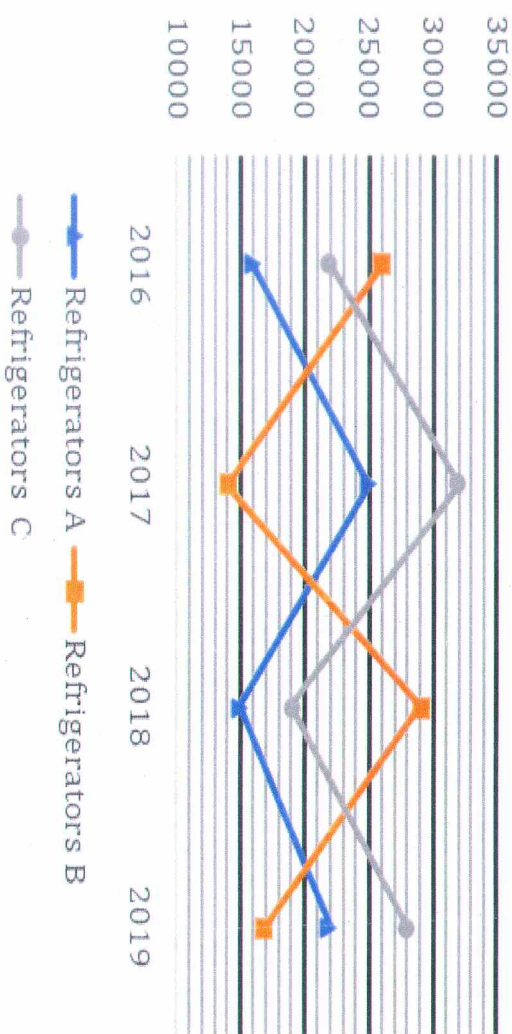
For Questions

46 to 50:



For Questions

56 to 60:



Paper Code: 5102

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5031 ✓
Bachelor of Science (Medical)	121305	BSML-5031 ✓
Bachelor of Science (Non-Medical)		BSNL-5031 ✓
Bachelor of Science (Computer Science)		BCSL-5031 ✓
Bachelor of Science (Economics)		BECL-5031 ✓
Bachelor of Commerce	121105	BCRL-5031
Bachelor of Business Administration	121705	BBRL-5031

Semester-V

Course Title: Basic Punjabi

(30)

Time Allowed: 3 Hours

Max Marks: 80

ਨੋਟ- ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਸੈਕਸ਼ਨ ਹਨ। ਹਰ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰ ਪ੍ਰਸ਼ਨ ਦੇ 16 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ ਪਹਿਲਾ

1. ਲੋਕ ਕਾਵਿ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦਿੰਦਿਆਂ ਇਸ ਨਾਲ ਜਾਣ ਪਛਾਣ ਕਰਾਓ।
2. ਸਾਹਿਤ ਅਤੇ ਲੋਕ ਸਾਹਿਤ ਨਾਲ ਮੁੱਢਲੀ ਜਾਣ ਪਛਾਣ ਕਰਾਓ।

ਸੈਕਸ਼ਨ ਦੂਜਾ

3. ਘੋੜੀਆਂ ਲੋਕ ਗੀਤਾਂ ਤੇ ਨੋਟ ਲਿਖੋ।
4. ਸਿੱਠਣੀਆਂ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦਿੰਦਿਆਂ ਇਸ ਤੇ ਵਿਸਥਾਰ ਸਹਿਤ ਚਰਚਾ ਕਰੋ।

ਸੈਕਸ਼ਨ ਤੀਜਾ

5. ਗਿੱਧਾ ਲੋਕ ਨਾਚ ਤੇ ਚਰਚਾ ਕਰੋ।
6. ਭੰਗੜਾ ਲੋਕ ਨਾਚ ਤੇ ਨੋਟ ਲਿਖੋ।

ਸੈਕਸ਼ਨ ਚੌਥਾ

7. ਲੋਕ ਖੇਡਾਂ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦਿੰਦਿਆਂ ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ ਖੇਡਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ।
8. ਲੋਕ ਤਮਾਸ਼ੇ ਤੋਂ ਤੁਸੀਂ ਕੀ ਸਮਝਦੇ ਹੋ ਚਰਚਾ ਕਰੋ।

Paper Code: 5109

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5175
Bachelor of Science (Economics)	121305	BECL-5175

Semester- V

Course Title: Economics (Economics of Development)
(40)

Time Allowed: 3 Hours**Max Marks: 80**

Note: The paper consists of four sections —A, B, C and D. Candidates are required to attempt five questions selecting at least one question from each Section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section -A

1. Discuss the characteristics of underdeveloped countries.
2. Critically examine the theory of social dualism.

Section- B

3. Critically evaluate the Schumpeter model of development.
4. Explain Harrod-Domar's model of growth.

Section - C

5. Discuss the critical minimum efforts thesis explained by Leibenstein.
6. Examine Rostow's theory of stages of economic growth.

Section- D

7. Explain the process of capital formation in an economy and also discuss the importance of capital formation.
8. Elaborate the major objectives and strategies of economic planning.

Exam Code: 103205

Paper Code: 8501

Programme: Bachelor of Arts (Semester-V)

Course Title: English (Elective)

Course Code: BARL-5198

Time Allotted: 3 Hours

Max Marks: 100

Section-A

1. Attempt any four literary terms out of the given five. (Each to be answered in 150 words approximately)

- a. Irony
- b. Lyric
- c. Idyll
- d. Satire
- e. Soliloquy

(4×5=20)

Section-B

2. Write phonetic transcription of any ten words out of the given fifteen words.

- a. Embrace
- b. Sarcasm
- c. Abolish
- d. Union
- e. Danger
- f. Decay
- g. Box
- h. Building
- i. Hero
- j. Puzzle
- k. Wallpaper
- l. Paper
- m. Zero
- n. Yourself
- o. Canon

(10×2=20)

Section-C

3. Attempt any one Reference to Context in about 300 words approximately.

MARULLUS: Wherefore rejoice? What conquest brings he home?
 What tributaries follow him to Rome,
 To grace in captive bonds his chariot-wheels?
 You blocks, you stones, you worse than senseless things!
 O you hard hearts, you cruel men of Rome,
 Knew you not Pompey? Many a time and oft
 Have you climb'd up to walls and battlements,
 To towers and windows, yea, to chimney-tops,
 Your infants in your arms, and there have sat
 The livelong day, with patient expectation,
 To see great Pompey pass the streets of Rome:

And when you saw his chariot but appear,
 Have you not made an universal shout,
 That Tiber trembled underneath her banks,
 To hear the replication of your sounds
 Made in her concave shores?
 And do you now put on your best attire?
 And do you now cull out a holiday?
 And do you now strew flowers in his way
 That comes in triumph over Pompey's blood? Be gone!
 Run to your houses, fall upon your knees,
 Pray to the gods to intermit the plague
 That needs must light on this ingratitude.
 FLAVIUS: Go, go, good countrymen, and, for this fault,
 Assemble all the poor men of your sort;
 Draw them to Tiber banks, and weep your tears
 Into the channel, till the lowest stream
 Do kiss the most exalted shores of all.
 Exeunt all the Commoners
 See whether their basest metal be not moved;
 They vanish tongue-tied in their guiltiness.
 Go you down that way towards the Capitol;
 This way will I
 disrobe the images,
 If you do find them deck'd with ceremonies.

OR

Antony: I doubt not of your wisdom.
 Let each man render me his bloody hand.
 First, Marcus Brutus, will I shake' with you;
 Next, Caius Cassius, do I take your hand.
 Now, Decjus Brutus, yours; now yours, Metellus;
 Yours Cinna; and, my valiant Casca, yours.
 Though last, not least in love", yours, good Trebonius.
 Gentlemen all,-alas, what shall I say ?
 My credit now stands on such slippery ground,
 That one of two bad ways you must conceit me, Either a coward or a flatterer.
 That I did love thee, Caesar, O, 'tis true !
 If then thy spirit look upon us now,
 Shall it not grieve thee dearer than thy death,
 To see thy Antony making his peace,
 Shaking the bloody fingers of thy foes,
 Most noble! in the presence of thy corse ?
 Had I as many eyes as thou hast wounds,
 Weeping as fastll as they stream forth thy blood.
 It would becomeme better than to close
 In terms of friendship with thine enemies.
 Pardon me, Julius! Here wast thou bay'd, brave hart;
 Here didst thou fall; and here thy hunters stand,
 Sign'd in thy spoil' and crimson'd in thy lethe
 O world, thou wast the forest to this hart;

And this, indeed, O world, the heart's of thee!
 How like a deer, stricken by many princes,
 Dost thou here lie!

(1×10=10)

4. Attempt any two questions (each to be answered in 500 words approximately) out of the given three.
- A) Analyse the Character of Brutus as a tragic hero. What qualities make him noble, and what show him as a negative character?
- B) Give a detailed character analysis of Julius Ceasor.
- C) Discuss in detail the theme of fate and free will in the play Julius Caesar. (2×10=20)

Section-D

5. Attempt any one Reference to Context in about 300 words approximately.

CATHERINE (with surging enthusiasm). You can't guess how splendid it is. A cavalry charge—think of that! He defied our Russian commanders—acted without orders—led a charge on his own responsibility—headed it himself—was the first man to sweep through their guns. Can't you see it, Raina; our gallant splendid Bulgarians with their swords and eyes flashing, thundering down like an avalanche and scattering the wretched Servian dandies like chaff. And you—you kept Sergius waiting a year before you would be betrothed to him. Oh, if you have a drop of Bulgarian blood in your veins, you will worship him when he comes back.

RAINA. What will he care for my poor little worship after the acclamations of a whole army of heroes? But no matter: I am so happy—so proud! (She rises and walks about excitedly.) It proves that all our ideas were real after all.

CATHERINE (indignantly). Our ideas real! What do you mean?

RAINA. Our ideas of what Sergius would do—our patriotism—our heroic ideals. Oh, what faithless little creatures girls are!—I sometimes used to doubt whether they were anything but dreams. When I buckled on Sergius's sword he looked so noble: it was treason to think of disillusion or humiliation or failure. And yet—and yet—(Quickly.) Promise me you'll never tell him.

Or

SERGIUS (ashamed). No, Petkoff: I was wrong. (To Raina, with earnest humility.) I beg your pardon. I have behaved abominably. Forgive me, Raina. (She bows reservedly.) And you, too, madam. (Catherine bows graciously and sits down. He proceeds solemnly, again addressing Raina.) The glimpses I have had of the seamy side of life during the last few months have made me cynical; but I should not have brought my cynicism here—least of all into your presence, Raina. I—(Here, turning to the others, he is evidently about to begin a long speech when the Major interrupts him.)

PETKOFF. Stuff and nonsense, Sergius. That's quite enough fuss about nothing: a soldier's daughter should be able to stand up without flinching to a little strong conversation. (He rises.) Come: it's time for us to get to business. We have to make up our minds how those three regiments are to get back to Phillipopolis:—there's no forage for them on the Sofia route. (He goes towards the house.) Come along. (Sergius is about to follow him when Catherine rises and intervenes.) (1×10=10)

6. Attempt any two questions (each to be answered in 500 words approximately) out of the given three.
- A) Discuss the opening Scene of the play *Arms and the Man*.
- B) Analyse character of Captain Bluntschli. How Shaw use him to challenge the romantic ideas about War?
- C) Discuss in detail major themes of the play *Arms and the Man*. (2×10=20)

Exam Code: 121205

Paper Code: 5130 - R

Programme: Bachelor of Arts (Semester - V)

Course Title: Punjabi (Elective)

Course Code: BARL-5208

Time Allowed: 3 Hours

Max Marks: 80

ਨੋਟ: ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿਚੋਂ ਇਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ, ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ (16) ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-ਏ

ਪ੍ਰਸ਼ਨ 1. ਹੇਠ ਲਿਖੀਆਂ ਕਾਵਿ-ਸਤਰਾਂ ਦੀ ਪ੍ਰਸੰਗ-ਸਹਿਤ ਵਿਆਖਿਆ ਕਰੋ।

ਜੇ ਰਾਜੁ ਦੇਹਿ ਤ ਕਵਨ ਬਡਾਈ॥ ਜੋ ਭੀਖ ਮੰਗਵਾਹਿ ਤ
ਕਿਆ ਘਟਿ ਜਾਈ॥

ਤੂੰ ਹਰਿ ਭਜੁ ਮਨ ਮੇਰੇ ਪਦੁ ਨਿਰਬਾਨੁ॥ ਬਹੁਰਿ ਨ ਹੋਇ
ਤੇਰਾ ਆਵਨ ਜਾਨੁ॥

ਸਭ ਤੈ ਉਪਾਇ ਭਰਮ ਭੁਲਾਈ॥ ਜਿਸੁ ਤੂੰ ਦੇਵਹਿ ਤਿਸਹਿ
ਬੁਝਾਈ॥

ਸਤਿਗੁਰੂ ਮਿਲੇ ਤ ਸਹਸਾ ਜਾਈ॥ ਕਿਸੁ ਹਉ ਪੂਜਉ ਦੂਜਾ
ਨਦਰਿ ਨ ਆਈ॥

ਏਕੈ ਪਾਥਰ ਕੀਜੈ ਭਾਉ। ਦੂਜਾ ਪਾਥਰ ਧਰੀਐ ਪਾਉ॥ ਜੇ
ਓਹੁ ਦੇਉ ਤ ਓਹੁ ਭੀ ਦੇਵਾ॥

ਕਹਿ ਨਾਮਦੇਉ ਹਮ ਹਰਿ ਕੀ ਸੇਵਾ॥

ਪ੍ਰਸ਼ਨ 2. ਕਿੱਸਾ 'ਹੀਰ ਦਮੋਦਰ' ਦੇ ਬੰਦ 'ਧੀਦੋ ਰਾਂਝੇ ਦਾ ਜਨਮ ਤੇ ਵਾਲ ਵਰੇਸ' ਦਾ ਵਿਸ਼ਾ-ਵਸਤੂ ਸਪੱਸ਼ਟ ਕਰਕੇ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-ਬੀ

ਪ੍ਰਸ਼ਨ 3. ਅਜਮੇਰ ਔਲਖ ਦੇ ਨਾਟਕ 'ਬੇਗਾਨੇ ਬੋਹੜ ਦੀ ਛਾਂ' ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿਚ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 4. 'ਬੇਗਾਨੇ ਬੋਹੜ' ਨਾਟਕ ਨੂੰ ਰੰਗਮੰਚ ਦੀ ਦ੍ਰਿਸ਼ਟੀ ਤੋਂ ਸਮਝਦਿਆਂ ਇਸ ਦੀਆਂ ਨਾਟਕੀ ਜੁਗਤਾਂ ਬਾਰੇ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-ਸੀ

ਪ੍ਰਸ਼ਨ 5. ਹੇਠ ਲਿਖੇ ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਦੀ ਵਿਸਥਾਰ ਵਿਚ ਵਿਆਖਿਆ ਕਰੋ।

- i. ਸਾਹਿਤ ਤੇ ਸ਼ਖਸੀਅਤ
- ii. ਸਾਹਿਤ ਅਤੇ ਸਭਿਆਚਾਰ

ਪ੍ਰਸ਼ਨ 6. ਹੇਠ ਲਿਖੇ ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਨੂੰ ਖੋਲ੍ਹ ਕੇ ਲਿਖੋ।

- i. ਸਾਹਿਤ ਦੇ ਤੱਤ
- ii. ਸਾਹਿਤ ਆਲੋਚਨਾ

ਸੈਕਸ਼ਨ-ਡੀ

ਪ੍ਰਸ਼ਨ 7. ਹੇਠ ਲਿਖੇ ਕਾਵਿ-ਛੰਦਾਂ ਦੀ ਬਣਤਰ ਅਤੇ ਵਰਤੋਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ।

- i. ਚੌਪਈ
- ii. ਬੈਂਤ

ਪ੍ਰਸ਼ਨ 8. ਹੇਠ ਲਿਖੇ ਕਾਵਿ-ਛੰਦਾਂ ਦੀ ਬਣਤਰ ਅਤੇ ਇਹਨਾਂ ਦੀ ਵਰਤੋਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ।

- i. ਕਬਿੱਤ
- ii. ਸਿਰਖੰਡੀ

Exam Code: 121205

Paper Code: 5130

Programme: Bachelor of Arts (Semester - V)

Course Title: Punjabi (Elective)

Course Code: BARL - 5208

Time Allowed: 3 Hours

Max Marks: 80

ਨੋਟ: ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿਚੋਂ ਇਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ, ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ (16) ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-ਏ

- ਪ੍ਰਸ਼ਨ 1. ਹੇਠ ਲਿਖੀਆਂ ਕਾਵਿ-ਸਤਰਾਂ ਦੀ ਪ੍ਰਸੰਗ-ਸਹਿਤ ਵਿਆਖਿਆ ਕਰੋ।
 ਗੁਰੂ ਜੀ ਐਸਾ ਕਾਮ ਨਾ ਕੀਜੈ, ਜਾ ਤੇ ਅਮੀਂ ਮਹਾਂ ਰਸ ਛੀਜੇ।
 ਨਦੀ ਢਿਗ ਬਿਰਖਾ ਨਾਰੀ ਸੰਗ ਪੁਰਖਾ ਅਲਪੁ ਜੀਵਣੁ ਕੀ ਆਸ।
 ਮਨ ਕੀ ਚਾਲ ਮੇਰ ਖਿਸਤ ਹੈ ਤਾਂ ਤੇ ਕੰਧ ਬਿਨਾਸਾ।
 ਗੋਡੇ ਭਏ ਡਗਮਗੇ ਪੇਟ ਭਇਆ ਢਿਲ ਢਿਲਾ ਕੇਸ ਬਗਲੇ ਕੇ ਪੰਖਾ।
- ਪ੍ਰਸ਼ਨ 2. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀ ਅਸ਼ਟਪਦੀ 'ਚਾਰ ਪਦਾਰਥ ਜੇ ਕੋ ਮਾਗੈ' ਦਾ ਵਿਸ਼ਾ-ਵਸਤੂ ਸਪੱਸ਼ਟ ਕਰਕੇ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-ਬੀ

- ਪ੍ਰਸ਼ਨ 3. ਅਜਮੇਰ ਔਲਖ ਦੇ ਨਾਟਕ 'ਬੇਗਾਨੇ ਬੋਹੜ ਦੀ ਛਾਂ' ਦਾ ਵਿਸ਼ਾ-ਵਸਤੂ ਸਪੱਸ਼ਟ ਕਰਕੇ ਲਿਖੋ।
- ਪ੍ਰਸ਼ਨ 4. 'ਬੇਗਾਨੇ ਬੋਹੜ ਦੀ ਛਾਂ' ਨਾਟਕ ਨੂੰ ਰੰਗਮੰਚ ਦੀ ਦ੍ਰਿਸ਼ਟੀ ਤੋਂ ਸਮਝਦਿਆਂ ਇਸ ਦੀਆਂ ਨਾਟਕੀ ਜੁਗਤਾਂ ਬਾਰੇ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-ਸੀ

- ਪ੍ਰਸ਼ਨ 5. ਹੇਠ ਲਿਖੇ ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਦੀ ਵਿਸਥਾਰ ਵਿਚ ਵਿਆਖਿਆ ਕਰੋ।
 1. ਸਾਹਿਤ ਆਲੋਚਨਾ, 2. ਸਾਹਿਤ ਅਤੇ ਸਭਿਆਚਾਰ
- ਪ੍ਰਸ਼ਨ 6. ਹੇਠ ਲਿਖੇ ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਨੂੰ ਖੋਲ੍ਹ ਕੇ ਲਿਖੋ।
 1. ਸਾਹਿਤ ਦੇ ਤੱਤ, 2. ਸਾਹਿਤ ਅਤੇ ਸਮਾਜ

ਸੈਕਸ਼ਨ-ਡੀ

- ਪ੍ਰਸ਼ਨ 7. ਹੇਠ ਲਿਖੇ ਕਾਵਿ-ਛੰਦਾਂ ਦੀ ਬਣਤਰ ਅਤੇ ਵਰਤੋਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ।
 1. ਕੋਰੜਾ, 2. ਬੈਂਤ
- ਪ੍ਰਸ਼ਨ 8. ਹੇਠ ਲਿਖੇ ਕਾਵਿ-ਛੰਦਾਂ ਦੀ ਬਣਤਰ ਅਤੇ ਵਰਤੋਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ।
 1. ਕਬਿੱਤ, 2. ਸਿਰਖੰਡੀ

Paper Code: 5104

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5212 ✓
Bachelor of Science (Medical)	121305	BSML-5212 ✓
Bachelor of Science (Non- Medical)		BSNL-5212 ✓
Bachelor of Science (Computer Science)		BCSL-5212 ✓
Bachelor of Science (Economics)		BECL-5212 ✓
Bachelor of Commerce	121105	BCRL-5212
Bachelor of Business Administration	121705	BBRL-5212

Semester-V**Course Title English (Compulsory)
(200)****Time Allowed: 3 Hours****Max Marks: 80****Section A****1. Answer any FIVE questions in about 100 words each.**

- i. What role does Larry's letter play in revealing the truth at the end of All My Sons?
- ii. How does Arthur Miller use the character of Joe Keller to explore the theme of moral responsibility?
- iii. Describe the significance of the title All My Sons.

- iv. What is the central idea of Wordsworth's poem The World is Too Much with Us?
- v. How does Sylvia Plath present the theme of self-perception in Mirror?
- vi. What message does Rabindranath Tagore convey through False Religion?

(5×4=20)

Section B

2. Answer any TWO questions in about 400 words each.

- i. Discuss the major themes of guilt, responsibility, and the American Dream in All My Sons.
- ii. Analyze the character of Kate Keller and her role in maintaining or denying the truth.
- iii. Examine how Miller presents the conflict between personal success and social morality in the play.
- iv. How does the tone and setting of All My Sons contribute to the tragic outcome of the story?

(2×10=20)

Section C

3. Answer any TWO questions in about 400 words each.

- i. Explain the concept of beauty as defined in She Walks in Beauty.

- ii. Write the theme and development of thought in The Thought-Fox by Ted Hughes.
- iii. Discuss Ozymandias as a reflection on human pride and the transience of power.
- iv. How does W.H. Auden's The Unknown Citizen criticize modern society and its values?

(2×10=20)

Section D

4. Write a formal letter to the Editor of a national newspaper expressing concern about the rising level of pollution in your city.

OR

Write a formal letter to the Electricity Board reporting frequent power cuts in your area and requesting immediate action. (10)

5. Write a job application for the post of Marketing Manager in a reputed company, enclosing a brief resume.

OR

Write a job application for the post of Administrative Assistant in a multinational company, along with a resume highlighting your communication and computer skills. (10)

Exam Code: 121205

Paper Code: 5112

Programme: Bachelor of Arts (Semester – V)

Course Title: History

(History of the World (1500 - 1956 A.D.))

Course Code: BARL-5273

Time Allowed: 3 Hours

Max Marks: 80

NOTE: Attempt three questions, selecting one question from first three sections in about 1200 words. Attempt both questions from section D. Each question carries 16 marks.

Section – A

1. Discuss in detail the causes and results of Reformation in Germany.
2. What were the causes of French Revolution of 1789?

Section – B

3. What do you understand by Industrial Revolution? Why did the Industrial Revolution start in England?
4. Evaluate the causes of the First World War.

Section – C

5. Discuss the circumstances leading to the Chinese Revolution of 1911.
6. What were the causes for the establishment and growth of Nazism in Germany?

Section – D

7. (COMPULSORY UNIT / ATTEMPT BOTH QUESTIONS)

Answer any Eight questions, Each question will carry 2 marks.

(8X2=16)

- a. What is Calvinism?
- b. Who was Martin Luther?
- c. Name two scientists of Renaissance.
- d. Who started the reformation?
- e. What was the immediate cause of Luther's protest against Catholic Church?
- f. Who was Queen Mary?

- g. What was the long-term effect of the Reformation on European society and culture?
 - h. How many plays did William Shakespeare write? Give names of his three plays.
 - i. What is Counter Reformation?
 - j. Who painted the Mona Lisa?
 - k. Who developed the theory of gravity?
 - l. Give two reasons why Renaissance started in Italy.
- 8. Locate any Four places on the map of World and explain their importance in four lines (Each correct answer with explanation will carry 4 marks. (4X4=16)**
- Japan, China, Austria, USA, England, Russia, Germany, Spain

Hindi Version

ध्यान दें: लगभग 1200 शब्दों में पहली तीन इकाइयों में से एक प्रश्न का चयन करते हुए, तीन प्रश्नों का प्रयास करें। इकाई IV से दोनों प्रश्नों का उत्तर दीजिए। प्रत्येक प्रश्न 16 अंक का होगा।

इकाई I

- 1. जर्मनी में धर्मसुधार के कारणों और परिणामों पर विस्तार से चर्चा कीजिए।
- 2. 1789 की फ्रांसीसी क्रांति के क्या कारण थे?

इकाई II

- 3. औद्योगिक क्रांति से आप क्या समझते हैं? औद्योगिक क्रांति इंग्लैंड में क्यों शुरू हुई?
- 4. प्रथम विश्व युद्ध के कारणों का मूल्यांकन कीजिए।

इकाई III

- 5. 1911 की चीनी क्रांति के लिए जिम्मेदार परिस्थितियों पर चर्चा कीजिए।
- 6. जर्मनी में नाज़ीवाद की स्थापना और विकास के क्या कारण थे?

इकाई IV

7. (अनिवार्य इकाई / दोनों प्रश्नों के उत्तर दीजिए)

किन्हीं आठ प्रश्नों के उत्तर दीजिए, प्रत्येक प्रश्न 2 अंक का होगा (8x2=16)

- केल्चिनवाद क्या है?
- मार्टिन लूथर कौन थे?
- पुनर्जागरण के दो वैज्ञानिकों के नाम बताइए।
- धर्मसुधार किसने शुरू किया?
- कैथोलिक चर्च के विरुद्ध लूथर के विरोध का तात्कालिक कारण क्या था?
- रानी मैरी कौन थीं?
- यूरोपीय समाज और संस्कृति पर धर्मसुधार का दीर्घकालिक प्रभाव क्या था?
- विलियम शेक्सपियर ने कितने नाटक लिखे? तीन नाटकों के नाम बताइए।
- प्रति-सुधार क्या है?
- मोनालिसा की चित्रकारी किसने की?
- गुरुत्वाकर्षण का सिद्धांत किसने विकसित किया?
- पुनर्जागरण इटली में क्यों शुरू हुआ, इसके दो कारण बताइए।

8. विश्व के मानचित्र पर किन्हीं चार स्थानों को चिह्नित कीजिए और चार

पंक्तियों में उनके महत्व की व्याख्या कीजिए। (प्रत्येक सही उत्तर के लिए स्पष्टीकरण सहित 4 अंक दिए जाएँगे। (4x4=16)

जापान, चीन, ऑस्ट्रिया, अमेरिका, इंग्लैंड, रूस, जर्मनी, स्पेन

Punjabi Version

ਨੋਟ: ਲਗਭਗ 1200 ਸ਼ਬਦਾਂ ਵਿੱਚ ਪਹਿਲੀਆਂ ਤਿੰਨ ਇਕਾਈਆਂ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਚੁਣ ਕੇ, ਤਿੰਨ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰੋ। ਯੂਨਿਟ IV ਤੋਂ ਦੋਵੇਂ ਸਵਾਲਾਂ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰੋ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਵਿੱਚ 16 ਅੰਕ ਹੋਣਗੇ।

ਯੂਨਿਟ I

- ਜਰਮਨੀ ਵਿੱਚ ਸੁਧਾਰ ਦੇ ਕਾਰਨਾਂ ਅਤੇ ਨਤੀਜਿਆਂ ਬਾਰੇ ਵਿਸਥਾਰ ਵਿੱਚ ਚਰਚਾ ਕਰੋ।
- 1789 ਦੀ ਫਰਾਂਸੀਸੀ ਕ੍ਰਾਂਤੀ ਦੇ ਕਾਰਨ ਕੀ ਸਨ?

ਯੂਨਿਟ II

3. ਤੁਸੀਂ ਉਦਯੋਗਿਕ ਕ੍ਰਾਂਤੀ ਤੋਂ ਕੀ ਸਮਝਦੇ ਹੋ? ਇੰਗਲੈਂਡ ਵਿੱਚ ਉਦਯੋਗਿਕ ਕ੍ਰਾਂਤੀ ਕਿਉਂ ਸ਼ੁਰੂ ਹੋਈ?
4. ਪਹਿਲੇ ਵਿਸ਼ਵ ਯੁੱਧ ਦੇ ਕਾਰਨਾਂ ਦਾ ਮੁਲਾਂਕਣ ਕਰੋ।

ਯੂਨਿਟ III

5. 1911 ਦੀ ਚੀਨੀ ਕ੍ਰਾਂਤੀ ਵੱਲ ਲੈ ਜਾਣ ਵਾਲੀਆਂ ਸਥਿਤੀਆਂ 'ਤੇ ਚਰਚਾ ਕਰੋ।
6. ਜਰਮਨੀ ਵਿੱਚ ਨਾਜ਼ੀਵਾਦ ਦੀ ਸਥਾਪਨਾ ਅਤੇ ਵਿਕਾਸ ਦੇ ਕਾਰਨ ਕੀ ਸਨ?

ਯੂਨਿਟ IV

7. (ਕੰਪਲਸਰੀ ਯੂਨਿਟ / ਕੋਸ਼ਿਸ਼ ਦੋਵੇਂ ਸਵਾਲ)

ਕੋਈ ਵੀ ਅੱਠ ਸਵਾਲਾਂ ਦੇ ਜਵਾਬ ਦਿਓ, ਹਰੇਕ ਸਵਾਲ ਦੇ 2 ਅੰਕ ਹੋਣਗੇ

(8X2=16)

- a. ਕੈਲਵਿਨਵਾਦ ਕੀ ਹੈ?
 - b. ਮਾਰਟਿਨ ਲੂਥਰ ਕੌਣ ਸੀ?
 - c. ਪੁਨਰਜਾਗਰਣ ਦੇ ਦੋ ਵਿਗਿਆਨੀਆਂ ਦੇ ਨਾਮ ਦੱਸੋ।
 - d. ਸੁਧਾਰ ਕਿਸਨੇ ਸ਼ੁਰੂ ਕੀਤਾ?
 - e. ਕੈਥੋਲਿਕ ਚਰਚ ਦੇ ਵਿਰੁੱਧ ਲੂਥਰ ਦੇ ਵਿਰੋਧ ਦਾ ਤੁਰੰਤ ਕਾਰਨ ਕੀ ਸੀ?
 - f. ਰਾਣੀ ਮੈਰੀ ਕੌਣ ਸੀ?
 - g. ਯੂਰਪੀ ਸਮਾਜ ਅਤੇ ਸੱਭਿਆਚਾਰ 'ਤੇ ਸੁਧਾਰ ਦਾ ਲੰਬੇ ਸਮੇਂ ਦਾ ਪ੍ਰਭਾਵ ਕੀ ਸੀ?
 - h. ਵਿਲੀਅਮ ਸ਼ੈਕਸਪੀਅਰ ਨੇ ਕਿੰਨੇ ਨਾਟਕ ਲਿਖੇ ਤਿੰਨ ਨਾਟਕਾਂ ਦੇ ਨਾਮ।
 - i. ਕਾਊਂਟਰ ਰਿਫਾਰਮੇਸ਼ਨ ਕੀ ਹੈ?
 - j. ਮੋਨਾ ਲੀਜ਼ਾ ਕਿਸਨੇ ਪੇਂਟ ਕੀਤੀ?
 - k. ਗੁਰੂਤਾ ਸਿਧਾਂਤ ਕਿਸਨੇ ਵਿਕਸਤ ਕੀਤਾ?
 - l. ਇਟਲੀ ਵਿੱਚ ਪੁਨਰਜਾਗਰਣ ਕਿਉਂ ਸ਼ੁਰੂ ਹੋਇਆ, ਇਸ ਦੇ ਦੋ ਕਾਰਨ ਦੱਸੋ।
8. ਦੁਨੀਆ ਦੇ ਨਕਸ਼ੇ 'ਤੇ ਕੋਈ ਵੀ ਚਾਰ ਸਥਾਨ ਲੱਭੋ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਮਹੱਤਤਾ ਨੂੰ ਚਾਰ ਲਾਈਨਾਂ ਵਿੱਚ ਸਮਝਾਓ (ਸਪਸ਼ਟੀਕਰਨ ਦੇ ਨਾਲ ਹਰੇਕ ਸਹੀ ਉੱਤਰ ਵਿੱਚ 4 ਅੰਕ ਹੋਣਗੇ।)

(4X4=16)

ਜਾਪਾਨ, ਚੀਨ, ਆਸਟਰੀਆ, ਅਮਰੀਕਾ, ਇੰਗਲੈਂਡ, ਰੂਸ, ਜਰਮਨੀ, ਸਪੇਨ

(For Reappear Candidates (Old Syllabus 2024-25))

Exam Code: 103205

Paper Code: 9501

Bachelor of Arts (Semester-V)

Course Title: History (History of The World (1500-1956 AD))

Course Code - BARL-5273

Examination Time: 3 Hours

Marks: 80

NOTE:

- (i) Attempt three questions, selecting one question from first three Units in about 1200 words. Attempt both questions from Unit IV. Each question will carry 16 marks.
- (ii) लगभग 1200 शब्दों में पहली तीन इकाइयों में से एक प्रश्न का चयन करते हुए तीन प्रश्नों का उत्तर लिखो। इकाई IV से दोनों प्रश्नों को करें। प्रत्येक प्रश्न 16 अंक का होगा।
- (iii) ਪਹਿਲੇ ਤਿੰਨ ਯੂਨਿਟਾਂ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਦੀ ਚੋਣ ਕਰਦੇ ਹੋਏ ਲਗਭਗ 1200 ਸ਼ਬਦਾਂ ਵਿੱਚ ਤਿੰਨ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਦਿਓ। ਯੂਨਿਟ IV ਤੋਂ ਦੋਵਾਂ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹਨ, ਹਰ ਪ੍ਰਸ਼ਨ 16 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ।

UNIT-I

1. Discuss the contribution of National assembly
राष्ट्रीय सभा के योगदान पर चर्चा करें
ਨੈਸ਼ਨਲ ਅਸੈਂਬਲੀ ਦੇ ਯੋਗਦਾਨ ਦੀ ਚਰਚਾ ਕਰੋ
2. Discuss the Internal Reforms of Napoleon
नेपोलियन के आंतरिक सुधारों पर चर्चा करें
ਨੈਪੋਲੀਅਨ ਦੇ ਅੰਦਰੂਨੀ ਸੁਧਾਰਾਂ ਦੀ ਚਰਚਾ ਕਰੋ

UNIT-II

3. Discuss the factors leading to the Industrial revolution
औद्योगिक क्रांति के लिए अग्रणी कारकों की चर्चा करें
ਉਦਯੋਗਿਕ ਕ੍ਰਾਂਤੀ ਵੱਲ ਅਗਵਾਈ ਕਰਨ ਵਾਲੇ ਕਾਰਕਾਂ ਦੀ ਚਰਚਾ ਕਰੋ
4. Discuss the Causes of the first World war
प्रथम विश्व युद्ध के कारणों की चर्चा करें
ਪਹਿਲੇ ਵਿਸ਼ਵ ਯੁੱਧ ਦੇ ਕਾਰਨਾਂ ਦੀ ਚਰਚਾ ਕਰੋ

UNIT-III

5. Discuss the causes of Russian Revolution
रूसी क्रांति के कारणों की विवेचना कीजिए
ਰੂਸੀ ਇਨਕਲਾਬ ਦੇ ਕਾਰਨਾਂ ਦੀ ਚਰਚਾ ਕਰੋ
6. What were the Factors responsible for the rise of Fascism in Italy
इटली में फासीवाद के उदय के लिए कौन से कारक उत्तरदायी थे?
ਇਟਲੀ ਵਿੱਚ ਫਾਸ਼ੀਵਾਦ ਦੇ ਉਭਾਰ ਲਈ ਕਿਹੜੇ ਕਾਰਕ ਜ਼ਿੰਮੇਵਾਰ ਸਨ?

UNIT-IV**(COMPULSORY UNIT / ATTEMPT BOTH QUESTIONS)**

7. Answer any Eight questions in 20 to 25 words Each question will carry 2 marks
 - i. Give two causes why renaissance began in Italy
इटली में पुनर्जागरण की शुरुआत के दो कारण बताइए
ਦੇ ਕਾਰਨ ਦੱਸੋ ਕਿ ਇਟਲੀ ਵਿੱਚ ਪੁਨਰਜਾਗਰਣ ਕਿਉਂ ਸ਼ੁਰੂ ਹੋਇਆ
 - ii. What do you Understand by renaissance
पुनर्जागरण से आप क्या समझते हैं?
ਤੁਸੀਂ ਪੁਨਰਜਾਗਰਣ ਤੋਂ ਕੀ ਸਮਝਦੇ ਹੋ?

- iii. What do you understand by Crusades
धर्मयुद्ध से आप क्या समझते हैं?
ਤੁਸੀਂ ਧਰਮ ਯੁੱਧ ਦੁਆਰਾ ਕੀ ਸਮਝਦੇ ਹੋ
- iv. Name two British writers during renaissance and give the names of their books
ਪੁਨਰਜਾਗਰਣ ਕਾਲ ਦੇ ਦੋ ਬ੍ਰਿਟਿਸ਼ ਲੇਖਕਾਂ ਦੇ ਨਾਮ ਲਿਖਿਓ ਤਥਾ ਉਨਕੀ ਪੁਸਤਕਾਂ ਦੇ ਨਾਮ ਲਿਖਿਓ
ਪੁਨਰਜਾਗਰਣ ਦੌਰਾਨ ਦੇ ਬ੍ਰਿਟਿਸ਼ ਲੇਖਕਾਂ ਦੇ ਨਾਮ ਦੱਸੋ ਅਤੇ ਉਹਨਾਂ ਦੀਆਂ ਕਿਤਾਬਾਂ ਦੇ ਨਾਮ ਦੱਸੋ
- v. Name three scientific inventions which helped in spread of renaissance
तीन वैज्ञानिक आविष्कारों के नाम लिखिए जिन्होंने पुनर्जागरण के प्रसार में मदद की
ਤਿੰਨ ਵਿਗਿਆਨਕ ਕਾਢਾਂ ਦੇ ਨਾਮ ਦੱਸੋ ਜਿਨ੍ਹਾਂ ਨੇ ਪੁਨਰਜਾਗਰਣ ਦੇ ਫੈਲਾਅ ਵਿੱਚ ਮਦਦ ਕੀਤੀ
- vi. Who was Leonardo da Vinci. Give name of his two creations.
ਕੌਨ ਥੇ ਲਿਓਨਾਰਡੋ ਦਾ ਵਿੰਚੀ। ਉਨਕੀ ਦੋ ਰਚਨਾओं ਦੇ ਨਾਮ ਲਿਖਿਓ।
ਲਿਓਨਾਰਡੋ ਦਾ ਵਿੰਚੀ ਕੌਣ ਸੀ? ਉਸ ਦੀਆਂ ਦੋ ਰਚਨਾਵਾਂ ਦੇ ਨਾਂ ਦੱਸੋ।
- vii. Who was Machiavelli? Name his book
ਮੈਕਿਆਵੇਲੀ ਕੌਨ ਥੇ? ਉਸਦੀ ਕਿਤਾਬ ਦਾ ਨਾਮ ਬਤਾਓ
ਮੈਕਿਆਵੇਲੀ ਕੌਣ ਸੀ? ਉਸਦੀ ਕਿਤਾਬ ਦਾ ਨਾਮ ਦੱਸੋ
- viii. When and where did reformation start
सुधार कब और कहाँ शुरू हुआ
ਸੁਧਾਰ ਕਦੋਂ ਅਤੇ ਕਿੱਥੇ ਸ਼ੁਰੂ ਹੋਇਆ
- ix. What do understand by Indulgences
भोग से क्या समझते हैं
ਭੋਗ ਤੋਂ ਕੀ ਸਮਝਦੇ ਹੋ?
- x. Who was Martin Luther
मार्टिन ਕੌਨ ਲੂਥਰ ਥਾ
ਮਾਰਟਿਨ ਲੂਥਰ ਕੌਣ ਸੀ
- xi. Who was known as Bloody Mary and Why ?
ब्लडी मैरी के नाम से किसे और क्यों जाना जाता था?
ਬਲੱਡੀ ਮੈਰੀ ਅਤੇ ਕਿਉਂ ਵਜੋਂ ਕਿਸਨੂੰ ਜਾਣਿਆ ਜਾਂਦਾ ਸੀ?

Give names of two scientists of the Renaissance period and name their inventions.
ਪੁਨਰਜਾਗਰਣ ਕਾਲ ਦੇ ਦੋ ਵਿਗਿਆਨਕਾਂ ਦੇ ਨਾਮ ਬਤਾਓ ਅਤੇ ਉਨਕੇ ਆਵਿਸ਼ਕਾਰਾਂ ਦੇ ਨਾਮ ਬਤਾਓ।
ਪੁਨਰਜਾਗਰਣ ਕਾਲ ਦੇ ਦੋ ਵਿਗਿਆਨੀਆਂ ਦੇ ਨਾਮ ਦੱਸੋ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀਆਂ ਕਾਢਾਂ ਦੇ ਨਾਮ ਦੱਸੋ।

8. Locate any four places on the political map of India and explain their importance in 5 lines (Each correct answer with explanation will carry 4 marks)

USA, England, Italy, Russia, France, Japan, China, Spain

भारत के राजनीतिक मानचित्र पर किन्हीं चार स्थानों को चिह्नित कीजिए और उनका महत्व 5 पंक्तियों में स्पष्ट कीजिए (प्रत्येक सही उत्तर और स्पष्टीकरण के लिए 4 अंक दिए जाएंगे।)
अमेरिका, इंग्लैंड, इटली, रूस, फ्रांस, जापान, चीन, स्पेन

ਭਾਰਤ ਦੇ ਰਾਜਨੀਤਿਕ ਨਕਸ਼ੇ 'ਤੇ ਕੋਈ ਵੀ ਚਾਰ ਸਥਾਨ ਲੱਭੋ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਮਹੱਤਤਾ ਨੂੰ 5 ਲਾਈਨਾਂ ਵਿੱਚ ਸਮਝਾਓ (ਸਪਸ਼ਟੀਕਰਨ ਦੇ ਨਾਲ ਹਰੇਕ ਸਹੀ ਉੱਤਰ ਦੇ 4 ਅੰਕ ਹੋਣਗੇ)
ਅਮਰੀਕਾ, ਇੰਗਲੈਂਡ, ਇਟਲੀ, ਰੂਸ, ਫਰਾਂਸ, ਜਾਪਾਨ, ਚੀਨ, ਸਪੇਨ

Exam Code: 121205
(20)

Paper Code: 5120

Programme: Bachelor of Arts
Semester-V

**Course Title: Human Rights (International
Human Rights)**

Course Code: BARL-5295 ✓

Time Allowed: 3 Hours

Max Marks: 80

NOTE:- Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any unit. Each question carries sixteen (16) marks.

Section— 1

1. Discuss role of United Nations Educational, Scientific and Cultural Organization (UNESCO) for the protection of human rights.
2. What do you mean by UNODC? Discuss its key Principles and functions.

Section — 2

3. What is Migration? Discuss, in detail, push and pull factors of migration within India.
4. What are Social Media Crimes? Discuss types and impact of Social Media Crimes on the youth.

Section — 3

5. Discuss Nelson Mandela Rules for the rights of prisoners.
6. Critically discuss International legal mechanism for the protection of rights of children.

Section — 4

7. Discuss working of the Human Rights Non-Government Organisations in India.
8. Write notes on the following:
 1. Commonwealth Human Rights Initiative
 2. People's Union for Civil Liberties"

Hindi Version

नोट : प्रत्येक खंड से कम से कम एक प्रश्न का चयन करते हुए, पाँच प्रश्नों के उत्तर दीजिए। पांचवें प्रश्न को किसी भी खंड से हल किया जा सकता है। प्रत्येक प्रश्न सोलह (16) अंक का है।

खंड-1

1. मानवाधिकारों की सुरक्षा के लिए संयुक्त राष्ट्र शैक्षिक, वैज्ञानिक और सांस्कृतिक संगठन (UNESCO) की भूमिका पर चर्चा करें।
2. यू.एन.ओ.डी.सी. (UNODC) से आप क्या समझते हैं? इसके प्रमुख सिद्धांतों और कार्यों पर चर्चा करें।

खंड-2

3. प्रवासन क्या है? भारत के भीतर प्रवासन के कारकों पर विस्तार से चर्चा करें।
4. सोशल मीडिया अपराध क्या है? सोशल मीडिया अपराधों के प्रकार और युवाओं पर इनके प्रभाव पर चर्चा करें।

खंड-3

5. कैदियों के अधिकारों के लिए नेल्सन मंडेला नियमों पर चर्चा करें।
6. बच्चों के अधिकारों की सुरक्षा के लिए अंतराष्ट्रीय कानूनी तंत्र की आलोचनात्मक चर्चा करें।

खंड-4

7. भारत में मानवाधिकार गैर-सरकारी संगठनों की कार्यप्राणाली पर चर्चा करें।
8. निम्नलिखित पर नोट्स लिखें:
 1. राष्ट्रमंडल मानवाधिकार पहल
 2. पीपुल्स यूनियन फॉर सिविल लिबर्टीज

Exam Code: 121205

Paper Code: 5125

Programme: Bachelor of Arts (Semester – V)

Course Title: Philosophy (Western Metaphysics and
Epistemology)

Course Code: BARL- 5377

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section A

- Q1. Illustrate briefly the nature and scope of Western Philosophy. (16)
- Q2. Explain Aristotle's idea of Form and Matter with an example. (16)

Section B

- Q3. Define the theory of Pluralism according to Leibnitz. (16)
- Q4. Explain Descartes' theory of mind-body dualism. (16)

Section C

- Q5. Explain Locke's idea of the mind as a "tabula rasa." (16)
- Q6. What does Hume mean by "impression" and "idea"? (16)

Section D

- Q7. What is Logical Positivism? Give a Special Reference to its Principle of Verification. (16)
- Q8. Define Pragmatism. Explain its characteristics also. (16)

Exam Code: 121205

Paper Code: 5121

Programme: Bachelor of Arts (Semester – V)

**Course Title: Political Science (Comparative
Government and Politics)**

Course Code: BARL-5406

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section A

1. What do you mean by Comparative Politics? Write down its nature and scope.
2. Describe in detail the Structural-Functional Approach of Almond and Powell.

Section B

3. Discuss the powers and role of the British Parliament.
4. Elaborate in detail the powers and role of the American Congress.

Section C

5. "Cabinet in Great Britain is the central directing instrument of the Government." Explain.
6. Describe the qualifications, tenure and method of election of the American President.

Section D

7. Elaborate in detail the features and role of Party System in Britain.
8. Explain the composition, powers and position of the American Supreme Court.

Hindi Version

नोट: अभ्यर्थियों को प्रत्येक अनुभाग से कम से कम एक प्रश्न चुनते हुए पाँच प्रश्नों के उत्तर देने होंगे। पाँचवाँ प्रश्न किसी भी अनुभाग से दिया जा सकता है। प्रत्येक प्रश्न सोलह अंकों का होगा।

अनुभाग ए

1. तुलनात्मक राजनीति से आप क्या समझते हैं? इसकी प्रकृति और क्षेत्र लिखिए।
2. आलमंड और पॉवेल के संरचनात्मक-कार्यात्मक दृष्टिकोण का विस्तार से वर्णन कीजिए।

अनुभाग बी

3. ब्रिटिश संसद की शक्तियों और भूमिका पर चर्चा कीजिए।
4. अमेरिकी कांग्रेस की शक्तियों और भूमिका का विस्तार से वर्णन कीजिए।

अनुभाग सी

5. "ग्रेट ब्रिटेन में मंत्रिमंडल सरकार का केंद्रीय निर्देशन साधन है।" व्याख्या कीजिए।
6. अमेरिकी राष्ट्रपति की योग्यता, कार्यकाल और चुनाव की विधि का वर्णन कीजिए।

अनुभाग डी

7. ब्रिटेन में दलीय प्रणाली की विशेषताओं और भूमिका का विस्तार से वर्णन कीजिए।
8. अमेरिकी सर्वोच्च न्यायालय की संरचना, शक्तियों और स्थिति की व्याख्या कीजिए।

**Exam Code: 121205
(20)**

Paper Code: 5115

**Programme: Bachelor of Arts
Semester-V**

**Course Title: Public Administration (Local Government
(With Special Reference to Punjab))**

Course Code: BARL-5414

Time Allowed: 3 Hours

Max Marks: 80

Note: Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question will carry sixteen marks.

Section A

1. Elaborate in detail the meaning, features and relevance of Local Government in India.
2. Write an essay on the Development of Local Government in Independent India.

Section B

3. Write down the meaning of Panchayati Raj System. Discuss its Significance.
4. How is Deputy Commissioner Appointed? Discuss his functions and role in Local Government.

Section C

5. Discuss the main provisions of 74th Constitutional Amendment Act.
6. Describe in detail the structure, powers and functions of Municipal Council.

Section D

7. Discuss the methods of supervision and control of State Governments over Local Bodies.
8. Explain the composition, functions and powers of State Finance Commission.

Hindi Version

नोट: अभ्यर्थियों को प्रत्येक अनुभाग से कम से कम एक प्रश्न का चयन करते हुए पांच प्रश्नों का उत्तर देना होगा। पांचवें प्रश्न को किसी भी अनुभाग से हल किया जा सकता है। प्रत्येक प्रश्न सोलह अंक का होगा।

Section A

1. भारत में स्थानीय सरकार के अर्थ, विशेषताओं और प्रासंगिकता को विस्तार से समझाइए।
2. स्वतंत्र भारत में स्थानीय सरकार के विकास पर एक निबंध लिखें।

Section B

3. पंचायती राज व्यवस्था का अर्थ लिखिए। इसके महत्व पर चर्चा करें।
4. उपायुक्त की नियुक्ति कैसे की जाती है? स्थानीय सरकार में उनके कार्यों और भूमिका पर चर्चा करें।

Section C

5. 74वें संवैधानिक संशोधन अधिनियम के मुख्य प्रावधानों की चर्चा करें।
6. नगर परिषद की संरचना, शक्तियों एवं कार्यों का विस्तार से वर्णन करें।

Section D

7. स्थानीय निकायों पर राज्य सरकारों के पर्यवेक्षण एवं नियंत्रण के तरीकों की चर्चा करें।
8. राज्य वित्त आयोग की संरचना, कार्यो एवं शक्तियों की व्याख्या करें।

Paper Code: 5101

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5421 ✓
Bachelor of Science (Medical)	121305	BSML-5421 ✓
Bachelor of Science (Non-Medical)		BSNL-5421 ✓
Bachelor of Science (Computer Science)		BCSL-5421 ✓
Bachelor of Science (Economics)		BECL-5421 ✓
Bachelor of Commerce	121105	BCRL-5421
Bachelor of Business Administration	121705	BBRL-5421

Semester-V

Course Title :- Punjabi (Compulsory)
(160)

Time Allowed: 3 Hours

Max Marks: 80

ਨੋਟ:- ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਸੈਕਸ਼ਨ ਹਨ। ਹਰ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰ ਪ੍ਰਸ਼ਨ ਦੇ 16 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-1

1. 'ਸੌਰੀ' ਕਹਾਣੀ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
2. 'ਹਰਖ ਸੋਗ' ਕਹਾਣੀ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-II

3. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।
4. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-III

5. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਉੱਪਰ ਪੈਰਾ ਰਚਨਾ ਕਰੋ।
(ੳ) ਭਾਸ਼ਣ ਕਲਾ
(ਅ) ਫੈਸ਼ਨ
(ੲ) ਸਮੇਂ ਦੀ ਕਦਰ
6. ਨਿਮਨਲਿਖਤ ਸਰਲ ਅੰਗਰੇਜ਼ੀ ਪੈਰੇ ਦਾ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ ਕਰੋ:
Games and sports are an essential part of education. Education is incomplete without them. Every boy and girl ought to take part in one or the other game. Sport strengthen our body and make us active. They keep us healthy. They teach us several lessons. for example, punctuality, discipline, patience and hopefulness. Those boys and girls who keep away from sports often remain sick.

ਸੈਕਸ਼ਨ-IV

7. ਨਾਂਵ ਵਾਕਸ਼ ਉੱਪਰ ਨੋਟ ਲਿਖੋ।
8. ਮੇਲ ਤੇ ਅਧਿਕਾਰ ਉੱਪਰ ਨੋਟ ਲਿਖੋ।

Exam Code: 121205

Paper Code: 5101 - R

Programme: Bachelor of Arts (Semester - V)

Course Title: Punjabi (Compulsory)

Course Code: BARL-5421

Time Allowed: 3 Hours

Max Marks: 80

ਨੋਟ: ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਸੈਕਸ਼ਨ ਹਨ। ਹਰ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ।
ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 16 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-I

1. 'ਨਿਊ ਯਿਅਰ' ਕਹਾਣੀ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
2. 'ਹਜਾਰ ਕਹਾਣੀਆਂ ਦਾ ਬਾਪ' ਕਹਾਣੀ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-II

3. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
4. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-III

5. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਉੱਪਰ ਪੈਰਾ ਰਚਨਾ ਕਰੋ:
(ੳ) ਨਸ਼ਾ ਇੱਕ ਲਾਹਨਤ (ਅ) ਮਿੱਤਰਤਾ (ੲ) ਮਹਿੰਗਾਈ ਦੀ ਸਮੱਸਿਆ

6. ਨਿਮਨਲਿਖਤ ਸਰਲ ਅੰਗਰੇਜ਼ੀ ਪੈਰੇ ਦਾ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ ਕਰੋ:

Health is a great blessing. So long as a man is healthy, he does not value this blessing. The moment he is slightly indisposed, he realises its importance. If there is any trouble in any part of the body, the whole body is affected. If you are in sound health, you can enjoy eating, walking and working. If you lose your health, then you lose taste for everything. Those who are often ill, their life becomes a nuisance, not only for their relatives but also for themselves. Apart from the physical ailment, they have to spend a lot on medicine. An ailing person is, in fact, more dead than alive.

ਸੈਕਸ਼ਨ IV

7. ਨਾਂਵ ਵਾਕੰਸ਼ ਉੱਪਰ ਨੋਟ ਲਿਖੋ।
8. ਮੇਲ ਤੇ ਅਧਿਕਾਰ ਉੱਪਰ ਨੋਟ ਲਿਖੋ।

(For Gap Year Student (2024-25))

Exam Code: 103205

Paper Code: 5101-G

Programme: Bachelor of Arts (Semester – V)

Course Title: Punjabi (Compulsory)

Course Code: BARL-5421

ਸਮਾਂ: 3 ਘੰਟੇ

Max. Marks: 40

ਨੋਟ: ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਸੈਕਸ਼ਨ ਹਨ। ਹਰ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 8 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ – ਓ

1. 'ਸੋਰੀ' ਕਹਾਣੀ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
2. 'ਹਰਖ ਸੋਗ' ਕਹਾਣੀ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।

ਸੈਕਸ਼ਨ – ਅ

3. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖੋ।
4. 'ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ' ਨਾਵਲ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।

ਸੈਕਸ਼ਨ – ਏ

5. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਉੱਪਰ ਪੈਰਾ ਰਚਨਾ ਕਰੋ:

(ੳ) ਭਾਸ਼ਣ ਕਲਾ

(ਅ) ਫੈਸ਼ਨ

(ੲ) ਸਮੇਂ ਦੀ ਕਦਰ

6. ਨਿਮਨਲਿਖਤ ਸਰਲ ਅੰਗਰੇਜ਼ੀ ਪੈਰੇ ਦਾ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ ਕਰੋ:

Games and sports are an essential part of education. Education is incomplete without them. Every boy and girl ought to take part in one or the other game. Sports strengthen our body and make us active. They keep us healthy. They teach us several lessons, for example, punctuality, discipline, patience and hopefulness. Those boys and girls who keep away from sports often remain sick.

ਸੈਕਸ਼ਨ – ਸ

7. ਨਾਂਵ ਵਾਕੰਸ਼ ਉਪਰ ਨੋਟ ਲਿਖੋ।
8. ਮੇਲ ਤੇ ਅਧਿਕਾਰ ਉੱਪਰ ਨੋਟ ਲਿਖੋ।

Paper Code: 5103

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5431 ✓
Bachelor of Science (Medical)	121305	BSML-5431 ✓
Bachelor of Science (Non-Medical)		BSNL-5431 ✓
Bachelor of Science (Computer Science)		BCSL-5431 ✓
Bachelor of Science (Economics)		BECL-5431
Bachelor of Commerce	121105	BCRL-5431
Bachelor of Business Administration	121705	BBRL-5431

Semester- V**Course Title: Punjab History and Culture
(30)****Time Allowed: 3 Hours****Max Marks: 80**

Note:- Candidates shall attempt 5 questions in 800 words each by at least selecting One Question from each section and the 5th question may be attempted from any of the four sections. Each question will carry 16 marks.

Section-I

1. Describe the British administration in the Punjab after its annexation in 1849 AD.

2. Discuss the causes of First Anglo - Sikh war.

Section-II

3. Critically evaluate Wood's Despatch of 1854.
4. Write a note on British policy towards agriculture.

Section-III

5. Elaborate the Principles and Programmes of Arya Samaj.
6. Briefly explain the Kamaghata Maru incident.

Section-IV

7. Explain Nankana Holocaust and Jaitu Morcha.
8. What led to the Massacre of April 1919? Discuss the consequences.

Hindi version

यूनिट-1

1. 1849 ई. में पंजाब में विलय के बाद ब्रिटिश प्रशासन का वर्णन कीजिए।
2. प्रथम आंग्लो-सिख युद्ध के कारणों का परीक्षण कीजिए।

यूनिट-11

3. 1854 के वुड्स डिस्पैच का समालोचनात्मक मूल्यांकन करें।
4. कृषि के प्रति ब्रिटिश नीति पर एक टिप्पणी लिखिए।

यूनिट-111

5. आर्य समाज के सिद्धांतों और कार्यक्रमों की व्याख्या कीजिए।
6. कामाघाट मारु की घटना को संक्षेप में समझाइए।

यूनिट-IV

7. ननकाना प्रलय और जैतू मोर्चा की व्याख्या करें।
8. अप्रैल 1919 के नरसंहार का कारण क्या था? परिणामों पर चर्चा करें।

Paper Code: 5110

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5453
Bachelor of Science (Economics)	121305	BECL-5453

Semester- V
Course Title: Quantitative Techniques
(Quantitative Techniques-V)
(20)

Time Allowed: 3 Hours

Max Marks: 80

Note:- Attempt FIVE questions, selecting at least ONE question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section I

1. (a) Explain the properties of a good estimator?
 (b) Write a short notes on :
 (i) One tailed and two tailed tests
 (ii) Critical Region
2. Differentiate between points estimators and interval estimators. What are the desirable properties of point estimators in case of small sample.

Section II

3. What is 't' distribution? Derive its main properties.

4. Derive the main properties of chi-square distribution.

Section III

5. A random sample of 1000 workers from South India show that their mean wages are Rs.47 per week with a standard deviation of Rs.28. A random sample of 1500 workers from North India gives a mean wages of Rs.49 per week with a standard deviation of Rs.40. Is there any significant difference between the mean level of wages in two places at 5% level of significance?
6. Ten students of B.Sc. were given a test in Statistics. They were imparted a month's special coaching and a second test was conducted at the end of it. The results were as follows:

Students	Marks in Ist Test	Marks in IInd Test
1	36	32
2	40	42
3	38	30
4	36	24
5	42	18
6	38	64
7	40	32
8	46	40
9	58	52
10	62	38

Do the marks give an evidence that the students have benefited by extra coaching?

(The table value of 't' for 9 degrees of freedom at 5% level of significance is 2.262)

Section-IV

7. Describe the ANOVA technique in detail. Highlight the difference between one way and two way ANOVA technique.
8. Perform the Two-way ANOVA on the data given below and interpret your results:

Plots of Land	Treatments			
	A	B	C	D
I	40	42	43	41
II	47	44	51	38
III	42	40	44	44

Exam Code: 121205

Paper Code: 5118

Programme: Bachelor of Arts Semester V

Course Title: Sociology (Social Thought)

Course Code: BARL-5475

Time Allowed: 3 Hrs.

Max. Marks: 80

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 16 marks.

SECTION-A

- Q1) Give full explanation of Comte's Positivism?
- Q2) According to Herbert Spencer, what are the different types of society?

SECTION-B

- Q3) Give details about Marx's Dialectic Materialism Concept.
- Q4) Explain the theory of Alienation given by Karl Marx.

SECTION-C

- Q5) How will you elaborate the Weber's theory of Social Action?
- Q6) Explain in detail about types of Authority by Max Weber?

SECTION-D

- Q7) Elaborate in detail Emile Durkheim's theory of Social facts.
- Q8) Define in detail about the Durkheim's theory of suicide.

(Hindi Version)

नोट: अभ्यर्थियों को प्रत्येक खण्ड से एक प्रश्न चुनकर पाँच प्रश्न हल करने होंगे। पाँचवाँ प्रश्न किसी भी खण्ड से हल किया जा सकता है। प्रत्येक प्रश्न 16 अंकों का है।

खंड-क

प्रश्न 1) कॉम्टे के प्रत्यक्षवाद की पूरी व्याख्या कीजिए।

प्रश्न 2) हर्बर्ट स्पेंसर के अनुसार, समाज के विभिन्न प्रकार क्या हैं?

खंड-ख

प्रश्न 3) मार्क्स की द्वंद्वात्मक भौतिकवाद अवधारणा के बारे में विस्तार से बताइए।

प्रश्न 4) कार्ल मार्क्स द्वारा दिए गए अलगाव के सिद्धांत की व्याख्या कीजिए।

खंड-ग

प्रश्न 5) आप वेबर के सामाजिक क्रिया के सिद्धांत को कैसे विस्तृत करेंगे?

प्रश्न 6) मैक्स वेबर द्वारा सत्ता के प्रकारों के बारे में विस्तार से बताइए।

खंड-घ

प्रश्न 7) एमिल दुर्खीम के सामाजिक तथ्यों के सिद्धांत की विस्तार से व्याख्या कीजिए।

प्रश्न 8) दुर्खीम के आत्महत्या के सिद्धांत को विस्तार से परिभाषित कीजिए।

(Punjabi Version)

ਨੋਟ: ਉਮੀਦਵਾਰਾਂ ਨੂੰ ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਚੁਣ ਕੇ ਪੰਜ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਨੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 16 ਅੰਕ ਹਨ।

SECTION-A

ਪ੍ਰਸ਼ਨ 1) ਕਾਮਟੇ ਦੇ ਸਕਾਰਾਤਮਕਤਾਵਾਦ ਦੀ ਪੂਰੀ ਵਿਆਖਿਆ ਦਿਓ?

ਪ੍ਰਸ਼ਨ 2) ਹਰਬਰਟ ਸਪੈਂਸਰ ਦੇ ਅਨੁਸਾਰ, ਸਮਾਜ ਦੀਆਂ ਵੱਖ-ਵੱਖ ਕਿਸਮਾਂ ਕੀ ਹਨ?

SECTION-B

ਪ੍ਰਸ਼ਨ 3) ਮਾਰਕਸ ਦੇ ਦਵੰਦਵਾਦੀ ਭੌਤਿਕਵਾਦ ਸੰਕਲਪ ਬਾਰੇ ਵੇਰਵੇ ਦਿਓ।

ਪ੍ਰਸ਼ਨ 4) ਕਾਰਲ ਮਾਰਕਸ ਦੁਆਰਾ ਦਿੱਤੇ ਗਏ ਅਲਹਿਦਗੀ ਦੇ ਸਿਧਾਂਤ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।

SECTION-C

ਪ੍ਰਸ਼ਨ 5) ਤੁਸੀਂ ਵੈਬਰ ਦੇ ਸਮਾਜਿਕ ਕਿਰਿਆ ਦੇ ਸਿਧਾਂਤ ਨੂੰ ਕਿਵੇਂ ਵਿਸਤਾਰ ਵਿੱਚ ਦੱਸੋਗੇ?

ਪ੍ਰਸ਼ਨ 6) ਮੈਕਸ ਵੈਬਰ ਦੁਆਰਾ ਅਧਿਕਾਰ ਦੀਆਂ ਕਿਸਮਾਂ ਬਾਰੇ ਵਿਸਥਾਰ ਵਿੱਚ ਦੱਸੋ?

SECTION-D

ਪ੍ਰਸ਼ਨ 7) ਐਮਿਲ ਡਰਖਾਈਮ ਦੇ ਸਮਾਜਿਕ ਤੱਥਾਂ ਦੇ ਸਿਧਾਂਤ ਦਾ ਵਿਸਥਾਰ ਵਿੱਚ ਵਰਣਨ ਕਰੋ।

ਪ੍ਰਸ਼ਨ 8) ਡਰਖਾਈਮ ਦੇ ਖੁਦਕੁਸ਼ੀ ਦੇ ਸਿਧਾਂਤ ਬਾਰੇ ਵਿਸਥਾਰ ਵਿੱਚ ਪਰਿਭਾਸ਼ਾ ਦਿਓ।

Exam Code: 121205

Paper Code: 5132

Programme: Bachelor of Arts Semester V

Course Title: English (Honours): English Novel

Course Code: BARL-5559

Time Allowed: 3 Hrs.

Max. Marks: 80

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 16 marks.

SECTION-A

Q1. Discuss Hardy's portrayal of women in Jude the Obscure?

Q2. Write in detail the major themes around which the novel Jude the Obscure is woven.

SECTION - B

Q3. What is the role of Catherine Barkley in the novel A Farewell to Arms? What type of character is she _round, dynamic or static? Support your answer by referring to the details given in the text.

Q4. How is the theme of war depicted in A Farewell to Arms?

SECTION-C

Q5. Bring out the significance of the title of Ghosh's The Shadow Lines.

Q6. How is The Shadow Lines by Amitav Ghosh considered a post-colonial novel?

SECTION - D

Note: Candidate must consider the allocation of marks given in the brackets for this specific question.

Q7. Discuss the following literary terms:

Symbolism, Narrative Technique

(8,8)

Q8. Discuss the following literary terms:

Irony, Foreshadowing, Flashback

(8,4,4)

Exam Code: 121205

Paper Code: 5133

Programme -Bachelor of Arts Semester -V

Course Title: Hindi (Honours): आधुनिक हिंदी नाटक एवं उपन्यास

Course Code: BARL - 5569

Time allowed: 3 Hrs.

Max. Marks: 80

नोट: यह प्रश्नपत्र पांच भाग में विभाजित है। प्रथम भाग अनिवार्य है, इस भाग में पूछे गये छः गद्यांशों में से विद्यार्थी के लिए किन्हीं चार की सप्रसंग व्याख्या करना अनिवार्य है। प्रत्येक प्रश्न का उत्तर 250 शब्दों/दो पृष्ठों में दें। प्रत्येक प्रश्न के लिए निर्धारित अंक 4 हैं। भाग दो, तीन, चार में पूछे गये दो-दो प्रश्नों में से विद्यार्थी के लिए एक का उत्तर देना अनिवार्य है। पांचवां प्रश्न विद्यार्थी किसी भी भाग में से कर सकता है। प्रत्येक प्रश्न के लिए निर्धारित अंक 16 हैं।

भाग - क

प्र.1- (i) राजनीति को भी नौकरशाही ने बेहूदा बनाया। यहाँ इस तरह की परिकल्पना अंग्रेजों ने की थी। गुलामों पर गुलामों से शासन करना और जिन्दगी की सहज धार को हर मोड़ पर लाल फीते से बाँध देना। राजनीति एक दर्शन थी समाज को श्रेष्ठ और सुंदर बनाने के लिए।

(ii) सिर्फ़ इतना जानता हूँ-तुम सबने मिलकर अर्थ और समाज की जो दीवारें बनायीं हैं, उन्हें पहले तोड़कर ही तब कोई बुनियादी काम हो सकता है।

(iii) यही तो है मेरा काम ...ताकत की डोर का पता लगाते रहना। राजनीति और है क्या? उसके पीछे कोई दर्शन है क्या?

(iv) दस्तूरी को बंद कर देना मेरे वश की बात नहीं। मैं खुद न लूँ, लेकिन चपरासी और मुहरिर् का हाथ तो नहीं पकड़ सकता आठ-, नौ नौ पाने वाले नौकर अगर न लें, तो उनका काम ही नहीं चल सकता मैं खुद न लूँ, पर उन्हें नहीं रोक सकता।

(v) आखिर एक दिन उसने इन चीज़ों को जमा किया, मखमली स्लीपर, रेशमी मोज़े, तरह-तरह की बेलें, फीते, पिनें, रिबन, कंधियाँ आईने, कोई कहां तक गिनाए। अच्छा-खासा एक ढेर हो गया। वह इस ढेर को गंगा में डूबा देगी और अब से एक नये जीवन का सूत्रपात करेगी। इन्हीं वस्तुओं के पीछे, आज उसकी यह गत हो रही है। आज वह इस मायाजाल को नष्ट कर डालेगी।

(vi) जालपा से कभी रमा ने दिल खोलकर बात ही नहीं की थी। वह इतनी विचारशील है, उसने कभी अनुमान ही नहीं किया था। वह उसे वास्तव में एक रमणी ही समझता था। अन्य पुरुषों की भांति वह भी पत्नी को इसी रूप में देखता था। वह उसके यौवन पर मुग्ध था। उसकी आत्मा के स्वरूप को उसने कभी समझने की चेष्टा ही नहीं की थी।

भाग - ख

प्र.2- मिस्टर अभिमन्यु नाटक वर्तमान राजीनीतिक और सामाजिक विसंगतियों का दर्पण है इस कथन को स्पष्ट कीजिए।

प्र.3- आपकी दृष्टि में नाटक का प्रमुख पात्र कौन है, उसकी चरित्रगत विशेषताओं से अवगत कराएँ।

भाग - ग

प्र.4- नाटक के उद्भव एवं विकास को विस्तारपूर्वक स्पष्ट करें।

प्र.5- मध्यवर्गीय समाज में प्रदर्शन की प्रवृत्ति एवं अन्य सामाजिक समस्याओं की दृष्टि से गबन उपन्यास की समीक्षा कीजिए।

भाग - घ

प्र.6- गबन उपन्यास का वास्तविक नायक जालपा है युक्तियुक्त समीक्षा करें।

प्र.7- उपन्यास के तत्वों पर प्रकाश डालें।

Exam Code: 121205

Paper Code: 5134

Programme: Bachelor of Arts Semester V

Course Title: Punjabi (Honours)

Course Code: BARL-5579

Time Allowed: 3 Hrs.

Max. Marks: 80

Note : ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿਚੋਂ ਕੋਈ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰੋ। ਹਰ ਸੈਕਸ਼ਨ ਵਿਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 16 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ - I

1. ਲੋਕਧਾਰਾ ਦੀ ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਪ੍ਰਕਿਰਤੀ 'ਤੇ ਨੋਟ ਲਿਖੋ।
2. ਲੋਕ ਸਾਹਿਤ ਦੀ ਪਰਿਭਾਸ਼ਾ ਤੇ ਵਰਗੀਕਰਨ ਕਰੋ।

ਸੈਕਸ਼ਨ - II

3. ਸਭਿਆਚਾਰ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦਿੰਦੇ ਹੋਏ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਲਿਖੋ।
4. ਲੋਕਧਾਰਾ ਤੇ ਸਭਿਆਚਾਰ ਵਿਚਲਾ ਅੰਤਰ ਸਪਸ਼ਟ ਕਰੋ।

ਸੈਕਸ਼ਨ - III

5. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦੇ ਜੀਵਨ ਤੇ ਰਚਨਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਉ।
6. ਆਸਾ ਦੀ ਵਾਰ ਦੇ ਉਦੇਸ਼ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਉ।

ਸੈਕਸ਼ਨ - IV

7. ਵਾਰ ਦੀ ਪਰਿਭਾਸ਼ਾ ਤੇ ਪ੍ਰਕਿਰਤੀ 'ਤੇ ਨੋਟ ਲਿਖੋ।
8. ਪੀਰ ਮੁਹੰਮਦ ਰਚਿਤ ਵਾਰ 'ਚੱਠਿਆਂ ਦੀ ਵਾਰ' ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰੋ।

Exam Code: 121205

Paper Code: 5135

Programme: Bachelor of Arts (Semester – V)

Course Title: History (Honours): The French Revolution
(1789-1799)

Course Code: BARL- 5589

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in about 1200 words, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section – A

1. What were the main Economic and Social causes of French Revolution?
2. Discuss the role of Philosophers and writers in bringing about the French Revolution.

Section – B

3. Describe the work and achievements of National Constituent Assembly of France.
4. What do you know about the Oath of Tennis Court and What is its significance in French revolution?

Section – C

5. Discuss the contribution of National Convention.
6. Who were the Jacobians and Girondists? Explain.

Section – D

7. What were the internal reforms introduced by Napoleon.

8. Discuss the impact of French revolution on social, religious, cultural life of France.

Hindi Version

Note: प्रत्येक खंड से कम से कम एक प्रश्न चुनकर 1200 शब्दों में 5 प्रश्न हल करें और 5वां प्रश्न चार खंड में से किसी एक से हल किया जा सकता है। प्रत्येक प्रश्न 16 अंक का होगा।

खंड - I

1. फ्रांसीसी क्रांति के प्रमुख आर्थिक और सामाजिक कारण क्या थे?
2. फ्रांसीसी क्रांति लाने में दार्शनिकों और लेखकों की भूमिका पर चर्चा कीजिए।

खंड - II

3. फ्रांस की राष्ट्रीय संविधान सभा के कार्यों और उपलब्धियों का वर्णन कीजिए।
4. टेनिस कोर्ट की शपथ के बारे में आप क्या जानते हैं और फ्रांसीसी क्रांति में इसका क्या महत्व है?

खंड - III

5. राष्ट्रीय सम्मेलन के योगदान पर चर्चा कीजिए।
6. जैकोबियन और गिरोंडिस्ट कौन थे? व्याख्या कीजिए।

खंड - IV

7. नेपोलियन द्वारा शुरू किए गए आंतरिक सुधार क्या थे?
8. फ्रांस के सामाजिक, धार्मिक और सांस्कृतिक जीवन पर फ्रांसीसी क्रांति के प्रभाव पर चर्चा कीजिए।

Exam Code: 121205

Paper Code: 5136

Programme: Bachelor of Arts (Semester - V)

Course Title: Political Science (Honours):

Comparative Political Thought

Course Code: BARL-5599

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section A

1. Write about source of Dharma as given in Dharamstratra?
2. Write about relationship of social responsibility and obligation as per Manusamriti?

Section B

3. Critically explain Plato's Theory of Philosopher King?
4. Discuss about Aristotle's theory of State?

Section C

5. Write a detailed note on Kautilya's Danda's Theory?
6. Discuss Machavelli's Theory of Statecraft?

Section D

7. Write about B. R. Ambedkar's views on Untouchability?
8. Discuss in detail about Martin Luther Kings's (Junior) idea of Non-Violence?

Paper Code: 5138

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARL-5609 (Opt-VI)
Bachelor of Science (Economics)	121305	BECL-5607 (Opt-VI)

Semester- V

**Course Title: Economics (Honours): Economics of
Agriculture
(20)**

Time Allowed: 3 Hours**Max Marks: 80**

NOTE:- Candidates are required to attempt five questions, selecting at least one from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section- 1

1. Discuss the nature and scope of Agriculture economics.
2. Discuss the characteristics of labour in agriculture. What are the factors effecting efficiency of labour.

Section- 2

3. Make a critical study of Schultz's doctrine of transforming traditional agriculture into modern agriculture.
4. Examine Boserup's theory of agricultural development.

Section- 3

5. Explain various measures to deal with risk and uncertainty in agriculture.
6. Critically evaluate India's Agricultural price policy.

Section- 4

7. Explain the main sources of agricultural credit in India.
8. Elaborate in detail the system of agriculture taxation in India.

Exam Code: 121205

Paper Code: 5137

Programme: Bachelor of Arts Semester V

**Course Title: Psychology (Honours): Psychological Testing and
Measurement**

Course Code: BARL-5619

Time Allowed: 3 Hrs.

Max. Marks: 80

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 16 marks.

SECTION-A

Q1) Define the term psychological test. Trace out the history of psychological testing in detail.

Q2) Write short note on:

- (a) Uses of psychological testing
- (b) Ethical issues in psychological testing

SECTION-B

Q3) What role does item difficulty and item discrimination play in preparing of psychological test?

Q4) Write short note on:

- (a) Item Writing
- (b) Item analysis

SECTION-C

Q5) Define the term of reliability and outline the factors affecting of reliability with respect to its different types.

Q6) Write in detail about the concept and types of validity.

SECTION-D

Q7) Define the concept of norms and give a description of different types of norms.

Q8) What is the need for sampling? Discuss its techniques in detail.

Paper Code: 5108

Programme	Course Code	Exam Code
Bachelor of Arts	BARM-5124	121205
Bachelor of Science (Economics)	BECM-5124	121305

Semester: V

Course Title: Computer Applications (Vocational)
(Internet and Web Designing)

Time allowed: 3 Hours**Max. Marks: 50**

Note: Attempt five questions. Each question carries equal marks. Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Section A

- 1) What is the Internet? Explain the application areas of the Internet. (10)
- 2) Write short notes on:
 - TCP/IP
 - FTP

(2 X 5 = 10)

Section B

- 3) What is HTML? Explain various tags available in HTML for formatting a page. (10)
- 4) What is a table? Explain all the tags to be used for creating a table in HTML with an example. (10)

Section C

- 5) What is CSS? Explain its types in detail with an example. (10)
- 6) Explain background and font properties in CSS? (10)

Section D

- 7) Write a note on:
 - a) Javascript objects
 - b) Host objects
- 8) What is DOM? How is it different from BOM? Explain DOM events in detail. (10)

(2 X 5 = 10)

Paper Code: 5107

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARM-5134
Bachelor of Science (Economics)	121305	BECM-5134
Bachelor of Science (Computer Science)		BCSM-5134

Semester- V

Course Title: Computer Science (Database Management System)
(40)

Time Allowed: 3 Hours**Max Marks: 50**

NOTE:- Candidates are required to attempt five questions selecting atleast one question from each section. The fifth question may be attempted from any section. Each question carries 10 marks.

Section A

1. What is DBMS. Explain its three level architecture. (10)
2. Explain Hierarchical model in detail. (10)

Section B

3. Explain 1nf and 2nf form in detail. (10)
4. How to recover database. (10)

Section C

5. Explain union and intersection. (10)
6. Explain DCL and TCL statements. (10)

Section D

7. Explain any 5 explicit cursors. (10)
8. Explain the concept of packages. (10)

Exam Code: 121205

Paper Code: 5128

Programme: Bachelor of Arts Semester V

Course Title: Cosmetology (Vocational)

Course Code: BARM-5147 ✓

Time Allowed: 3 Hrs.

Max. Marks: 40

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 8 marks.

SECTION-A

Q1. Define Bacteria? How does it grow and reproduce?

Q2. What are the types of Bacteria? Explain it briefly.

SECTION - B

Q3. What are commonly used disinfectants? Give details.

Q4. What are general suggestions for sanitations?

SECTION-C

Q5. Explain the term Chemical straightening.

Q6. Describe the term Spa. Explain the procedure of Spa.

SECTION - D

Q7. What is Makeup? Name the different types of eye shadow and how they are used?

Q8. Difference between Casual and Formal makeup.

Exam Code: 121205

Paper Code: 5122

Programme: Bachelor of Arts Semester V

Course Title: Indian Classical Dance (Kathak)

Course Code: BARM-5156

Time Allowed: 3 Hrs.

Max. Marks: 40

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 8 marks.

SECTION - A

1. Explain Kathak and Natwari Nritya.
2. What is Manipuri Dance? Write about their dancing style, costume and music.

SECTION - B

3. What is Gatis in kathak dance?
4. Write about taal and its ten Prans.

SECTION - C

5. Write about folk dance of Haryana.
6. Explain thumri and their presentation how thumri origin in kathak dance.

SECTION - D

7. Difference between Dhamar taal and Astamangal taal (11 matra).
8. Write the Notation of Amad and Tora Ada Choutaal.

(Punjabi Version)

ਨੋਟ: ਉਮੀਦਵਾਰਾਂ ਨੂੰ ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਚੁਣ ਕੇ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 8 ਅੰਕ ਹਨ।

SECTION - A

1. ਕਥਕ ਅਤੇ ਨਟਵਰੀ ਨ੍ਰਿਤ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।
2. ਮਨੀਪੁਰੀ ਨਾਚ ਕੀ ਹੈ? ਉਨ੍ਹਾਂ ਦੀ ਨ੍ਰਿਤ ਸ਼ੈਲੀ, ਪਹਿਰਾਵਾ ਅਤੇ ਸੰਗੀਤ ਬਾਰੇ ਲਿਖੋ।

SECTION - B

3. ਕਥਕ ਨਾਚ ਵਿੱਚ ਗਤੀ ਕੀ ਹੈ?
4. ਤਾਲ ਅਤੇ ਇਸਦੇ ਦਸ ਪ੍ਰਾਣਾਂ ਬਾਰੇ ਲਿਖੋ।

SECTION - C

5. ਹਰਿਆਣਾ ਦੇ ਲੋਕ ਨਾਚ ਬਾਰੇ ਲਿਖੋ।
6. ਠੁਮਰੀ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਪੇਸ਼ਕਾਰੀ ਬਾਰੇ ਦੱਸੋ ਕਿ ਕਥਕ ਨਾਚ ਵਿੱਚ ਠੁਮਰੀ ਕਿਵੇਂ ਉਤਪੰਨ ਹੋਈ।

SECTION - D

7. ਧਮਰ ਤਾਲ ਅਤੇ ਅਸ਼ਟਮੰਗਲ ਤਾਲ (11 ਮਾਤਰਾ) ਵਿੱਚ ਅੰਤਰ।
8. ਅਮਦ ਅਤੇ ਤੋਰਾ ਆਦਾ ਚੋਟਾਲ ਦੇ ਸੰਕੇਤ ਲਿਖੋ।

(Hindi Version)

नोट: अभ्यर्थियों को प्रत्येक खण्ड से एक प्रश्न चुनकर पाँच प्रश्न करने होंगे। पाँचवाँ प्रश्न किसी भी खण्ड से किया जा सकता है। प्रत्येक प्रश्न 8 अंकों का है।

खंड - क

1. कथक और नटवरी नृत्य की व्याख्या कीजिए।
2. मणिपुरी नृत्य क्या है? उनकी नृत्य शैली, वेशभूषा और संगीत के बारे में लिखिए।

खंड - ख

3. कथक नृत्य में गति क्या है?
4. ताल और उसके दस प्राणों के बारे में लिखिए।

खंड - ग

5. हरियाणा के लोक नृत्य के बारे में लिखिए।
6. ठुमरी और उनकी प्रस्तुति की व्याख्या कीजिए तथा कथक नृत्य में ठुमरी की उत्पत्ति कैसे हुई।

खंड - घ

7. धमार ताल और अष्टमंगल ताल (11 मात्रा) में अंतर।
8. आमद और तोरा आड़ा चौताल के स्वरलिपि लिखिए।

Exam Code: 121205
(30)

Paper Code: 5129

Programme: Bachelor of Arts
Semester-V

Course Title: English (Elective)

Course Code: BARM-5198 ✓

Time Allowed: 3 Hours

Max Marks: 50

SECTION-A

1. Attempt any three literary terms out of the given five.
(Each to be answered in 100 words approximately)
 - a) Tragedy
 - b) Lyric
 - c) Idyll
 - d) Satire
 - e) Soliloquy

(3x3=9)

SECTION-B

2. Write phonetic transcription of any nine words out of the given twelve words.
 - a) Ability
 - b) Lion
 - c) Abolish
 - d) Union

- e) Danger
- f) Decay
- g) Box
- h) Building
- i) Hero
- j) Puzzle
- k) Wallpaper
- l) Paper

(9x1=9)

SECTION-C

3. Attempt any one Reference to Context in about 300 words approximately.

Brutus: O Antony! beg not your death of us.
Though now we must appear bloody and cruel,
As by our hands and this our present act
You see we do, yet see you but our hands?
And this the bleeding business they have done.
Our hearts you see not; they are pitiful,
And pity to the general wrong of Rome,
As fire drives out fire, so pity pity,
Hath done this deed on Caesar. For your part
To you our swords have leaden points, Mark Antony
Our arms in strength of malice, and our hearts
Of brothers' temper, do receive you in
With all kind love, good thoughts, and reverence.

OR

Antony: I doubt not of your wisdom.
Let each man render me his bloody hand.

First, Marcus Brutus, will I shake' with you;
 Next, Caius Cassius, do I take your hand.
 Now, Decjus Brutus, yours; now yours, Metellus;
 Yours Cinna; and, my valiant Casca, yours.
 Though last, not least in love", yours, good Trebonius.
 Gentlemen all,-alas, what shall I say?
 My credit now stands on such slippery ground,
 That one of two bad ways you must conceit me, Either a
 coward or a flatterer.
 That I did love thee, Caesar, O, 'tis true !
 If then thy spirit look upon us now,
 Shall it not grieve thee dearer than thy death,
 To see thy Antony making his peace,
 Shaking the bloody fingers of thy foes,
 Most noble! in the presence of thy corse ?
 Had I as many eyes as thou hast wounds,
 Weeping as fastll as they stream forth thy blood.
 It would becómeme better than to close
 In terms of friendship with thine enemies.
 Pardon me, Julius! Here wast thou bay'd, brave hart;

 Here didst thou fall; and here thy hunters stand,
 Sign'd in thy spoil' and crimson'd in thy lethe
 O world, thou wast the forest to this hart;
 And this, indeed, O world, the heart's of thee!
 How like a deer, struckenby many princes,
 Dost thou here lie! (1x6=6)

4. Attempt any two questions (each to be answered in 500 words approximately) out of the given three.
- A) 'Cassius is life and spirit of whole conspiracy'. Discuss this with special reference to other conspirators in the play Julius Ceasor.
 - B) Give detailed character analysis of Julius Ceasor.
 - C) What role do women characters play in Shakespeare's drama Julius Ceasor?
- (2x5=10)

SECTION-D

5. Attempt any one Reference to Context in about 300 words approximately.

SERGIUS (ashamed). No, Petkoff: I was wrong- (To Raina, with earnest humility.) I beg your pardon. I have behaved abominably. Forgive me, Raina. (She bows reservedly.) And you, too, madam. (Catherine bows graciously and sits down. He proceeds solemnly, again addressing Raina.) The glimpses I have had of the seamy side of life during the last few months have made me cynical; but I should not have brought my cynicism here- -least of all into your presence, Raina. I—(Here, turning to the others, he is evidently about to begin a long speech when the Major interrupts him.)

PETKOFF. Stuff and nonsense, Sergius. That's quite enough fuss about nothing: a soldier's daughter should be able to stand up without flinching to a little strong conversation. (He rises.) Come: it's time for us to get to

business. We have to make up our minds how those three regiments are to get back to Phillipopolis:—there's no forage for them on the Sofia route. (He goes towards the house.) Come along. (Sergius is about to follow him when Catherine rises and intervenes.)

Or

NICOLA (at the gate, announcing). Major Sergius Saranoff! (He goes into the house and returns presently with-a third chair, which he places at the table. He then withdraws.)

(Major Sergius Saranoff, the original of the portrait in Raina's room, is a tall, romantically handsome man, with the physical hardihood, the high spirit, and the susceptible imagination of an untamed Mountaineer chieftain. But his remarkable personal distinction is of a characteristically civilized type. The ridges of his eyebrows, curving with a ram's-horn twist round the marked projections at the outer corners, his jealously observant eye, his nose, thin, keen, and apprehensive in spite of the pugnacious high bridge and large nostril, his assertive chin, would not be out of place in a Paris salon. In short, the clever, imaginative barbarian has an acute critical faculty which has been thrown into intense activity by the arrival of western civilization in the Balkans; and the result is precisely what the advent of nineteenth-century thought first produced in England: to-wit, Byronism. By his brooding on the perpetual failure, not only of others, but of himself, to

live up to his imaginative ideals, his consequent cynical» scorn for humanity, the jejune credulity as to the absolute validity of his ideals and the unworthiness of the world in disregarding them, his wincings and mockeries under the sting of the petty disillusions which every hour spent among men brings to his infallibly quick observation, he has acquired the half tragic, half ironic air, the mysterious moodiness, the suggestion of a strange and terrible history that has left him nothing but undying remorse, by which Childe Harold fascinated the grandmothers of his English contemporaries. Altogether it is clear that here or nowhere is Raina's ideal hero. Catherine is hardly less enthusiastic, and much less reserved in shewing her enthusiasm. As he enters from the stable gate, she rises effusively to greet him. Petkoff is distinctly less disposed to make a fuss about him.)

(1x6=6)

6. Attempt any two questions (each to be answered in 500 words approximately) out of the given three.

A) 'I think we two have found the higher love. When I think of you, I feel that I could never do a base deed, or think an ignoble thought'.

Discuss the character of Sergius in the light of his relationship with Raina.

B) Describe in detail the first confrontation between Raina Petkoff and fugitive (Bluntschili).

C) Elaborate, themes of the play Arms and the Man.

(2x5=10)

Exam Code: 121205

Paper Code: 5127

Programme: Bachelor of Arts (Semester - V)

Course Title: Fashion Designing and Garment

Construction (Vocational)

(Historic Costumes of India and World-I)

Course Code: BARM-5237

Time Allowed: 3 Hours

Max. Marks: 30

Note: Attempt five questions in all, selecting atleast one question from each section. Fifth question may be attempted from any section. Each question carries 6 marks.

Section-A

1. Discuss
 - a) Greek Footwear 3
 - b) Greek Garments 3
2. What do you know about the garments and accessories of Asian people? 6

Section-B

3. What distinguishes Baluchari sarees from other Indian handloom sarees? 6
4. Discuss the yarns and weaving of Tanchoi fabric. 6

Section-C

5. Write about the history, origin and characteristics of the Chanderi Saree. 6
6. What are the traditional motifs, colour combinations and weaving of Irkal sarees? 6

Section-D

7. Discuss the traditional saree of Tamil Nadu. 6
8. What is the traditional technique and raw material used in Sangneri printing? 6

Exam Code: 121205
(20)

Paper Code: 5119

Programme: Bachelor of Arts
Semester-V

Course Title: Fine Arts (Drawing and Painting)

Course Code: BARM-5245 ✓

Time Allowed: 3 Hours

Max Marks: 40

Note: - Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. All Questions carry equal marks.

Section-I

1. Write in short on the following paintings of the artist 'Monet'
 - a) Women in Garden
 - b) Rouen Cathedral

4+4
2. Discuss the theme of the paintings of 'Edgar Degas'.

08

Section-II

3. Name and discuss about any two paintings of 'Van Gogh' in detail.

08
4. How can you recognise 'Paul Gauguin' as a Post Impressionist? Discuss in your own words.

08

Section-III

5. Discuss contribution of 'Edward Munch' in the development of the Expressionism. 08
6. Write short notes on the following painting:-
 - a) Les Demoiselles d' Avignon by Picasso *Barque*
 - b) The Portuguese by Picasso 4+4

Section-IV

7. Define Surrealism and Salvador Dali. 08
8. Write about the art of Max Ernst by giving examples. 08

Punjabi Version

ਨੋਟ: ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰੋ। ਹਰੇਕ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਜ਼ਰੂਰੀ ਹੈ। ਸਾਰੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਅੰਕ ਬਰਾਬਰ ਹਨ।

ਸੈਕਸ਼ਨ-1

1. ਕਲਾਕਾਰ Monet ਦੀਆਂ ਹੇਠ ਦਿੱਤੀਆਂ ਪੇਟਿੰਗਾਂ ਉੱਤੇ ਸੰਖੇਪ ਵਿੱਚ ਲਿਖੋ-
 - a) Women in Garden
 - b) Rouen Cathedral 4+4
2. ਕਲਾਕਾਰ Edgar Degas ਦੀਆਂ ਪੇਟਿੰਗਾਂ ਦੇ ਵਿਸ਼ਾ ਵਸਤੂਆਂ ਉੱਤੇ ਚਰਚਾ ਕਰੋ। 08

ਸੈਕਸ਼ਨ-2

3. 'Van Gogh' ਦੀਆਂ ਕਿਸੇ ਵੀ ਦੋ ਪੇਟਿੰਗਾਂ ਦੇ ਨਾਮ ਦੱਸਦੇ ਹੋਏ, ਉਹਨਾਂ ਉੱਤੇ ਚਰਚਾ ਕਰੋ। 08
4. 'Paul Gauguin' ਨੂੰ ਤੁਸੀਂ Post-Impressionist ਕਿਵੇਂ ਕਹਿ ਸਕਦੇ ਹੋ? ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਚਰਚਾ ਕਰੋ।

08

ਸੈਕਸ਼ਨ-3

5. "Expressionism" ਦੇ ਪ੍ਰਸਾਰ ਵਿੱਚ ਕਲਾਕਾਰ Edward Munch
ਦੇ ਯੋਗਦਾਨ ਦੀ ਚਰਚਾ ਕਰੋ। 08
6. ਹੇਠ ਦਿੱਤੀਆਂ ਪੇਟਿੰਗਾਂ ਉੱਤੇ ਸੰਖੇਪ ਵਿੱਚ ਲਿਖੋ—
- a) 'Las Demoiselles d' Avignon—ਪਿਕਾਸੋ ਕਲਾਕਾਰ 04
- b) 'The Portuguese'— ਪਿਕਾਸੋ ਕਲਾਕਾਰ 04

ਸੈਕਸ਼ਨ-4

7. 'Surrealism' ਅਤੇ 'Salvador Dali' ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕਰੋ। 08
8. 'Max Ernst' ਦੀ ਕਲਾ ਬਾਰੇ ਉਸ ਦੀਆਂ ਕਲਾਕ੍ਰਿਤੀਆਂ ਦੀਆਂ
ਉਦਾਹਰਣਾਂ ਦਿੰਦੇ ਹੋਏ ਲਿਖੋ। 08

Exam Code: 121205

Paper Code: 5131

Programme: Bachelor of Arts (Semester – V)

Course Title: Hindi (Elective)

(विशिष्ट कवि एवं काव्य सिद्धांत, कामकाजी हिंदी तथा रीतिकाल)

Course Code: BARM 5268 ✓

Time Allowed: 3 Hours

Max Marks: 60

नोट: यह प्रश्न पत्र चार भागों में विभाजित है। भाग एक, दो, तीन एवं चार में पूछे गए दो-दो प्रश्नों में से एक प्रश्न करना अनिवार्य है। पाँचवाँ प्रश्न विधीयर्थी किसी भी भाग से कर सकता है। प्रत्येक प्रश्न का उत्तर लगभग 1000 शब्दों में दें। प्रत्येक प्रश्न 12 अंक का है।

भाग – एक

प्र.1 निम्नलिखित पद्यांशों में से किन्हीं दो की सप्रसंग व्याख्या करें :

क. ऊँच-नीच का भेद न माने, वही श्रेष्ठ ज्ञानी है,
दया-धर्म जिसमें हो, सबसे वही पूज्य प्राणी है।
क्षत्रिय वही, भरी हो जिसमें निर्भयता की आग,
सबसे श्रेष्ठ वही ब्राह्मण है, हो जिसमें तप-त्याग।

ख. अंगदेश का मुकुट कर्ण के मस्तक पर धरता हूँ।
एक राज्य इस महावीर के हित अर्पित करता हूँ।
रखा कर्ण के सिर पर उसने अपना मुकुट उतार,
गूँजा रंगभूमि में दुर्योधन का जय-जयकार।

ग. कर्ण मुग्ध हो भक्ति-भाव में मग्न हुआ-सा जाता है,
कभी जटा पर हाथ फेरता, पीठ कभी सहलाता है,
चढ़ें नहीं चीटियाँ बदन पर, पड़े नहीं तृण-पात कहीं,
कर्ण सजग है, उचट जाय गुरुवर की कच्ची नींद नहीं।

घ. कर्ण विकल हो खड़ा हुआ कह, 'हाय! किया यह क्या गुरुवर?
दिया शाप अत्यन्त निदारुण, लिया नहीं जीवन क्यों हर?
वर्षों की साधना, साथ ही प्राण नहीं क्यों लेते हैं?
अब किस सुख के लिए मुझे धरती पर जीने देते हैं?'

प्र.2 निम्नलिखित पद्यांशों में से किन्हीं दो की सप्रसंग व्याख्या करें :

क परशुराम ने कहा- 'कर्ण! यह शाप अटल है, सहन करो,
जो कुछ मैंने कहा, उसे सिर पर ले सादर वहन करो।
इस महेन्द्र-गिरि पर तुमने कुछ थोड़ा नहीं कमाया है,
मेरा संचित निखिल ज्ञान तूने मझसे ही पाया है।

ख .भुज को छोड़ न मुझे सहारा किसी और सम्बल का,
बड़ा भरोसा था, लेकिन, इस कवच और कुण्डल का,
पर, उनसे भी आज दूर सम्बन्ध किये लेता हूँ,
देवराज! लीजिए खुशी से महादान देता हूँ ।

ग. कहा कर्ण ने, 'धन्य हुआ मैं आज सभी कुछ देकर,
देवराज! अब क्या होगा वरदान नया कुछ लेकर?
बस, आशिष दीजिए, धर्म मेरा भाव अचल हो,
वही छत्र हो, वही मुकुट हो, वही कवच-कुण्डल हो।

घ. कवि , कोविद, विज्ञान-विशारद, कलाकार, पण्डित, ज्ञानी,
कनक नहीं , कल्पना, ज्ञान, उज्ज्वल चरित्र के अभिमानी,
इन विभूतियों को जब तक संसार नहीं पहचानेगा,
राजाओं से अधिक पूज्य जब तक न इन्हें वह मानेगा।

भाग - दो

प्र.3 रश्मिरथी में कर्ण की चरित्रगत विशेषताओं पर प्रकाश डालें ।

प्र.4 रश्मिरथी के नामकरण की सार्थकता पर विचार करें।

भाग - तीन

प्र.5 प्रारूपण की परिभाषा देते हुए इसकी लेखन विधि से अवगत करवाएं ।

प्र.6 निम्नलिखित पारिभाषिक शब्दों का हिंदी अनुवाद करें :

Auditor, Administrator, Acting Principal, Air Hostess, Vice
chancellor, Chairman, Controller, Director, Evaluation Officer,
Associate Professor, Proctor, Registrar.

भाग - चार

प्र.7 रीतिकाल के नामकरण पर विचार करें ।

प्र.8 कवित्त और सौरठा छंद के लक्षण को उदाहरण सहित स्पष्ट करें ।

Exam Code: 121205

Paper Code: 5116

Programme: Bachelors of Arts Semester V

Course Title: Home Science (Food and Nutrition and Child Development)

Course Code: BARM-5284

Time: 3 Hours

Max. Marks: 60

Note: Candidates are required to attempt five questions, selecting one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section - A

Q1) What are Protein? Explain the functions, sources, requirement and deficiency. (12)

Q2) Explain any two methods of cooking in detail. (12)

Section - B

Q3) What do you understand by food preservation? Explain in detail. (12)

Q4) a) Explain the functions, allowance and deficiency of Vitamin C.
b) Write a note on Calcium. (6 + 6 = 12)

Section - C

Q5) What are the factors affecting the physical growth of the child? Discuss the different stages of physical growth of the child. (12)

Q6) Define growth and development. Discuss the values of development. (12)

Section - D

Q7) Discuss the different factors which effect the language development of the child. (12)

Q8) What is the importance of emotions in normal development of the child. (12)

(Punjabi Version)

ਨੋਟ: ਉਮੀਦਵਾਰਾਂ ਨੂੰ ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਚੁਣ ਕੇ ਪੰਜ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਨੀ ਪੈਂਦੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 12 ਅੰਕ ਹਨ।

Section - A

- 1) ਪ੍ਰੋਟੀਨ ਕੀ ਹਨ? ਕਾਰਜ, ਸਰੋਤ, ਲੋੜ ਅਤੇ ਕਮੀ ਦੱਸੋ। (12)
- 2) ਖਾਣਾ ਪਕਾਉਣ ਦੇ ਕਿਸੇ ਵੀ ਦੋ ਤਰੀਕਿਆਂ ਬਾਰੇ ਵਿਸਥਾਰ ਵਿੱਚ ਦੱਸੋ। (12)

Section - B

- 3) ਭੋਜਨ ਸੰਭਾਲ ਤੋਂ ਤੁਸੀਂ ਕੀ ਸਮਝਦੇ ਹੋ? ਵਿਸਥਾਰ ਵਿੱਚ ਦੱਸੋ। (12)
- 4) a) ਵਿਟਾਮਿਨ ਸੀ ਦੇ ਕਾਰਜ, ਭੱਤਾ ਅਤੇ ਕਮੀ ਬਾਰੇ ਦੱਸੋ।
b) ਕੈਲਸ਼ੀਅਮ 'ਤੇ ਇੱਕ ਨੋਟ ਲਿਖੋ। (6 + 6 = 12))

Section - C

- 5) ਬੱਚੇ ਦੇ ਸਰੀਰਕ ਵਿਕਾਸ ਨੂੰ ਪ੍ਰਭਾਵਿਤ ਕਰਨ ਵਾਲੇ ਕਾਰਕ ਕੀ ਹਨ? ਬੱਚੇ ਦੇ ਸਰੀਰਕ ਵਿਕਾਸ ਦੇ ਵੱਖ-ਵੱਖ ਪੜਾਵਾਂ 'ਤੇ ਚਰਚਾ ਕਰੋ। (12)
- 6) ਵਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕਰੋ। ਵਿਕਾਸ ਦੇ ਮੁੱਲਾਂ 'ਤੇ ਚਰਚਾ ਕਰੋ। (12)

Section - D

- 7) ਬੱਚੇ ਦੇ ਭਾਸ਼ਾ ਵਿਕਾਸ ਨੂੰ ਪ੍ਰਭਾਵਿਤ ਕਰਨ ਵਾਲੇ ਵੱਖ-ਵੱਖ ਕਾਰਕਾਂ 'ਤੇ ਚਰਚਾ ਕਰੋ। (12)
- 8) ਬੱਚੇ ਦੇ ਆਮ ਵਿਕਾਸ ਵਿੱਚ ਭਾਵਨਾਵਾਂ ਦਾ ਕੀ ਮਹੱਤਵ ਹੈ। (12)

(Hindi Version)

नोट: अभ्यर्थियों को प्रत्येक खण्ड से एक प्रश्न चुनकर पाँच प्रश्न हल करने होंगे। पाँचवाँ प्रश्न किसी भी खण्ड से हल किया जा सकता है। प्रत्येक प्रश्न 12 अंकों का है।

खंड - क

प्रश्न 1) प्रोटीन क्या हैं? इसके कार्य, स्रोत, आवश्यकता और कमी की व्याख्या कीजिए। (12)

प्रश्न 2) खाना पकाने की किन्हीं दो विधियों की विस्तार से व्याख्या कीजिए। (12)

खंड - ख

प्रश्न 3) खाद्य संरक्षण से आप क्या समझते हैं? विस्तार से व्याख्या कीजिए। (12)

प्रश्न 4) क) विटामिन सी के कार्य, मात्रा और कमी की व्याख्या कीजिए।

ख) कैल्शियम पर एक टिप्पणी लिखिए। (6 + 6 = 12)

खंड - ग

प्रश्न 5) बच्चे के शारीरिक विकास को प्रभावित करने वाले कारक कौन से हैं? बच्चे के शारीरिक विकास की विभिन्न अवस्थाओं की चर्चा कीजिए। (12)

प्रश्न 6) वृद्धि और विकास को परिभाषित कीजिए। विकास के मूल्यों की चर्चा कीजिए। (12)

खंड - घ

प्रश्न 7) बच्चे के भाषा विकास को प्रभावित करने वाले विभिन्न कारकों की चर्चा कीजिए। (12)

प्रश्न 8) बच्चे के सामान्य विकास में भावनाओं का क्या महत्व है? (12)

Exam Code: 121205

Paper Code: 5114

Programme: Bachelor of Arts Semester V

Course Title: Journalism and Mass Communication (Vocational)
(Advertising)

Course Code: BARM- 5313 ✓

Time Allowed: 3 Hrs.

Max. Marks: 60

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 12 marks.

SECTION-A

1. What is Advertising? State its basic elements.
2. How Advertising is different from publicity? Explain it.

SECTION-B

3. Evaluate the impact of advertisement on consumer behaviour.
4. What is meant by the term Ad agency? State its basic functions.

SECTION-C

5. Discuss the guidelines for designing an effective advertisement.
6. What is Copywriting? Illustrate its need and importance in advertising world.

SECTION-D

7. What is Advertising appeal? Discuss its various types with suitable examples.
8. Describe the role of ASCI in upholding advertising ethics in India.

Paper Code: 5105

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARM-5333 (I)
Bachelor of Science (Non-Medical)	121305	BSNM-5333 (I)
Bachelor of Science (Economics)		BECM-5333 (I)
Bachelor of Science (Computer Science)		BCSM-5333 (I)

Semester-V

Course Title: Mathematics (Dynamics)
(40)

Time Allowed: 3 Hours

Max Marks: 80

NOTE – Attempt five questions in all selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries sixteen marks.

Section - A

- (a) O, A, B, C, D are five points in a straight line such that $OA = AB = BC = CD$. If a particle starts from rest with constant acceleration from O, prove or disprove that the times of describing AB, BC, CD are $(\sqrt{2}-1) : (\sqrt{3}-\sqrt{2}) : (\sqrt{4}-\sqrt{3})$. (8)

(b) Two masses m_1, m_2 are connected by an inelastic string; m_2 is placed on a smooth horizontal table and the string passes over a light smooth pulley at the edge of the table and m_1 is hanging freely. Determine

the motion and the tension in the string. Find also the pressure on the pulley. (8)

2. (a) A particle is projected upwards with a velocity of u m/sec. and after t seconds another particle is projected upwards from the same point and with the same velocity. Prove or disprove that the particles meet at height $\frac{4u^2 - g^2 t^2}{8g}$ metres after a time $\left(\frac{t}{2} + \frac{u}{g}\right)$ seconds. (8)

(b) A 70 kg man carrying a 14 kg suitcase rides in an elevator that has an upward acceleration of 0.14 m/sec². Find the pull on his arm due to weight of suitcase and the force with which his feet press on the floor of the elevator. (8)

Section - B

3. (a) A particle moving in a straight line is subjected to resistance which produces retardation kv^3 . Check whether or not v and t are given in terms of s by the equations:

$$v = \frac{u}{1+ksu}, \quad t = \frac{1}{2}ks^2 + \frac{s}{u} \quad \text{and} \quad v^2 = \frac{u^2}{1+2ktu^2}$$

Where u is initial velocity and the particle starts from origin. (8)

(b) A block of 100 kg is placed on an inclined plane of 3 in 5. Find the horizontal force required to produce in the block an acceleration of 4 m/sec² up the inclined

plane. Also find the pressure on the inclined plane.

(8)

4. (a) An elastic string of natural length $2l$ can just support a certain weight when it is stretched till its whole length is $3l$. One end of the string is now attached to a point on a smooth horizontal table and the same weight is attached to the other end. Prove or disprove that if the weight be pulled to any distance and let go, the string will become slack after

a time $\frac{1}{2}\pi\sqrt{\frac{l}{g}}$. (8)

(b) Prove that Simple Harmonic Motion is periodic with period $\frac{2\pi}{\sqrt{\mu}}$. (8)

Section – C

5. (a) A particle moves in a plane in such a way that its position (x, y) at any time t is given by

$x = 3t^2$, $y = t^3 + 1$. Find the equation of the path of the particle. Also find its velocity and acceleration at any time t . (8)

(b) A stone is thrown from the top of a tower 9.8 m high at an angle of elevation 30° with a velocity $\frac{g}{\sqrt{3}}$ m/sec. Find its velocity and direction of motion on striking the horizontal plane through the foot of the tower. (8)

6. (a) An elastic string of natural length l is extended by an amount a , when it supports a mass M at rest, and is extended by an amount b when it is rotating as a conical pendulum, carrying a particle of the same mass, with angular velocity ω . Prove or disprove that $gb = \omega^2 a (l + b)$. (8)
- (b) A particle is projected with velocity u from a point on an inclined plane. If v_1 be its velocity on striking the plane when the range up the plane is maximum and v_2 the velocity on striking the plane when the range down the plane is maximum, prove or disprove that $u^2 = v_1 v_2$. (8)

Section – D

7. (a) A particle of mass m falls from rest at a height 'h' above the ground. Check whether or not sum of kinetic and potential energies is constant throughout the motion. (8)
- (b) A body of mass 5 kg takes 2 seconds to fall from the top of a tower to the ground. Find the work done by gravity. (8)
8. (a) State and prove principle of conservation of energy. (8)
- (b) An engine working at the rate of H units is pulling a train up an incline of 1 in n at a steady speed of v m/sec. If M is the total mass of the train, find the average frictional force. (8)

Paper Code: 5106

Programme	Exam Code	Course Code
Bachelor of Arts	121205	BARM-5333 (II) ✓
Bachelor of Science (Non-Medical)	121305	BSNM-5333 (II) ✓
Bachelor of Science (Economics)		BECM-5333 (II) ✓
Bachelor of Science (Computer Science)		BCSM-5333 (II) ✓

Semester-V

Course Title: Mathematics (Number Theory)
(40)

Time Allowed: 3 Hours**Max Marks: 60**

Note: Attempt five questions in all selecting at least one question from each section. The fifth question may be attempted from any section. All questions carry equal 12 marks.

Section A

- (a) Prove or disprove that square of an integer is of the form $3q$ or $3q + 1$ but not of the form $3q + 2$.
(6)

(b) If a, b are odd integers, then justify whether or not $8 \mid (a^2 - b^2)$.
(6)
- (a) For any odd integer p , check whether or not $\text{g.c.d.}(3p, 3p + 2) = 1$.
(6)

- (b) Prove or disprove that $\text{l.c.m. } [r h, r k] = r \text{ l.c.m. } [h, k]$ for any positive integer r . (6)

Section B

3. (a) Find all solutions in positive integers of $172x + 20y = 1000$. (6)
 (b) Prove or disprove that there are infinitely many prime numbers. (6)
4. (a) Justify whether or not for every integer m , the unit digit of m^4 is 0, 1, 5 and 6. (6)
 (b) Check whether or not $\{-21, -12, 16, 23, 26, 55\} \pmod{6}$ is a Complete Residue System. (6)

Section C

5. (a) State Chinese Remainder Theorem. Hence, find least positive integers giving remainder 2, 3, and 5 when divided by 3, 5 and 2 respectively. (6)
 (b) Solve $57x \equiv 87 \pmod{105}$. (6)
6. (a) Verify whether or not $(61!) + 1 \equiv 0 \pmod{71}$. (6)
 (b) State and prove Fermat's Theorem. Is the converse of the theorem true? Justify your answer. (6)

Section D

7. (a) Find the number of zeros at the end of $50!$.
(6)
- (b) Prove or disprove that $\phi(d) \mid \phi(n)$ if $d \mid n$, where ϕ denotes the Euler function.
(6)
8. (a) If an integer $n > 1$, has the prime factorization $n = p_1^{\alpha_1} p_2^{\alpha_2} \dots p_r^{\alpha_r}$, then justify whether or not $\sum_{d \mid n} |\mu(d)| = (2)^r$, where μ denotes the mobius function.
(6)
- (b) State and Prove Mobius Inversion formula.
(6)

Exam Code: 121205
(20)

Paper Code: 5126

Programme: Bachelor of Arts
Semester-V

Course Title: Music (Instrumental)

Course Code: BARM-5357

Time Allowed: 3 Hours

Max Marks: 40

Note- Students are required to attempt total five questions, Selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries equal marks (8)

8x5=40

Section-A

1. Write about the relevance of time theory in music.
2. What is Avirbhav and Tirobhav in music? Give detail with examples.

Section-B

3. Write the life sketch of Pt. Ravi Shankar.
4. What do you know about electronic musical instruments? Write in detail.

Section-C

5. Give description of Deep chandi tal with its single and double lay karies.
6. Write the notation of any Raza Khani get of any Raga prescribed in your syllabus.

Section-D

7. What is the importance of Kirtan Chowkies in Gurmat Sangeet?
8. Write about the deep connection between Indian classical and folk music? Define it.

Hindi Version

नोट: (I) विद्यार्थियों को किन्हीं पाँच प्रश्नों का उत्तर देना है। प्रत्येक भाग से एक प्रश्न करना अनिवार्य है, पाँचवा प्रश्न किसी भी भाग से कर सकते हैं।

(II) प्रत्येक प्रश्न के अंक समान हैं। (8)

भाग— (क)

1. संगीत में समय सिद्धांत के विषय में लिखें।
2. संगीत में अतिभाव और तिरोभाव क्या है? उदाहरण सहित लिखें।

भाग— (ख)

3. पंडित रवि शंकर जी का जीवन परिचय लिखो।
4. इलैक्ट्रॉनिक संगीतक वाद्यों के विषय में आप क्या जानते हैं? लिखें।

भाग— (ग)

5. दीपचंदी ताल का परिचय इसकी एकगुण और दुगुण सहित लिखें।
6. अपने सिलेबस के किसी भी राग की रजाखानी गत लिखें।

भाग— (घ)

7. गुरुमति संगीत में कीर्तन चौकियों की क्या महत्ता है?
8. भारतीय शास्त्रीय संगीत और लोक संगीत के अंत संबंध को दर्शाएं।

Punjabi Version

ਨੋਟ- (I) ਚਾਰ ਭਾਗਾਂ ਦੇ ਕੁੱਲ ਅੱਠ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਕੇਵਲ ਕਿਸੇ ਪੰਜ ਪ੍ਰਸ਼ਨਾਂ ਦਾ ਉੱਤਰ ਦੇਣਾ ਹੈ। ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕਰ ਸਕਦੇ ਹਨ।

(II) ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਅੰਕ ਸਮਾਨ ਹਨ।

ਭਾਗ- (ੳ)

1. ਸੰਗੀਤ ਵਿੱਚ ਸਮੇਂ ਸਿਧਾਂਤ ਬਾਰੇ ਲਿਖੋ।
2. ਸੰਗੀਤ ਵਿੱਚ ਅਵਿਰਭਾਵ ਅਤੇ ਤਿਰੋਭਾਵ ਕੀ ਹੈ? ਉਦਾਹਰਨ ਸਹਿਤ ਲਿਖੋ।

ਭਾਗ-(ਅ)

3. ਪੰਡਿਤ ਰਵੀ ਸ਼ੰਕਰ ਜੀ ਦਾ ਜੀਵਨ ਪਰਿਚਯ ਲਿਖੋ।
4. ਇਲੈਕਟ੍ਰਾਨਿਕ ਸੰਗੀਤਕ ਵਾਦਾਂ ਬਾਰੇ ਤੁਸੀਂ ਕੀ ਜਾਣਦੇ ਹੋ। ਵਿਸਥਾਰ ਸਹਿਤ ਲਿਖੋ।

ਭਾਗ-(ੲ)

5. ਦੀਪਚੰਦੀ ਤਾਲ ਦਾ ਪਰਿਚਯ ਇਸਦੀ ਇੱਕਗੁਣ, ਦੁਗੁਣ ਸਹਿਤ ਲਿਖੋ।
6. ਆਪਣੇ ਸਿਲੈਬਸ ਦੇ ਕਿਸੇ ਵੀ ਰਾਗ ਦੀ ਰਾਜਖਾਨੀ ਗਤ ਲਿਖੋ।

ਭਾਗ-(ਸ)

7. ਗੁਰਮਤਿ ਸੰਗੀਤ ਵਿੱਚ ਕੀਰਤਨ ਚੌਂਕੀਆਂ ਦੀ ਕੀ ਮਹੱਤਤਾ ਹੈ?
8. ਭਾਰਤੀ ਸ਼ਾਸਤਰੀ ਸੰਗੀਤ ਅਤੇ ਲੋਕ ਸੰਗੀਤ ਦੇ ਗਹਿਰੇ ਸੰਬੰਧ ਨੂੰ ਦਰਸਾਉ।

Exam Code: 121205

Paper Code: 5123 - R

Programme: Bachelor of Arts Semester V

Course Title: Music (Vocal)

Course Code: BARM-5366

Time Allowed: 3 Hours

Max. Marks: 40

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question will carry 8 marks.

SECTION A

Q1) Write a short note on any two:

(a) Thumri (b) Tappa (c) Chaturang

Q2) Discuss the origin and progress of the Indian Notation System and mention its advantages and drawbacks.

SECTION B

Q3) Describe in detail the main features and forms of Punjabi folk music.

Q4) Write down about the life of Surinder Kaur Ji explaining her contribution to the Indian music.

SECTION C

Q5) Describe the features of Raag Bhairav along with its notation.

Q6) Elaborate Taal Tilwara with its notation.

SECTION D

Q7) Throw light on the classical gayan shailies used in Gurmeet sangeet.

Q8) Throw light on the life and contribution of Sant Sarwan Singh Gandharav towards Indian music.

Exam Code: 121205

Paper Code: 5123

Programme: Bachelor of Arts (Semester – V)

Course Title: Music (Vocal)

Course Code: BARM-5366

Time Allowed: 3 Hours

Max Marks: 40

Note: Attempt five questions in all, selecting atleast one question from each section. Fifth question may be attempted from any section. Each question carries 8 marks.

Section – A

- Q. 1 What significant changes occurred in the Indian music during modern period?
- Q. 2 Elaborate the development of Indian notation system including its merits and demerits.

Section – B

- Q. 3 Give a detailed knowledge of folk music of Punjab.
- Q. 4 Write down about the life of Pandit Dilip Chandra Bedi explaining his contribution to the Indian music.

Section – C

- Q. 5 Describe the features of Raag Darbari along with its notation.
- Q. 6 Elaborate Taal Deepchandi with its notation.

Section – D

- Q. 7 What do you know about the classical gayan shailies used in Gurmeet sangeet?
- Q. 8 Write about the contribution of Sant Sarwan Singh Gandharav towards Indian music.

Punjabi Version

ਨੋਟ: ਹਰੇਕ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਘੱਟੋ-ਘੱਟ ਇੱਕ ਪ੍ਰਸ਼ਨ ਚੁਣ ਕੇ, ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰੋ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਸੈਕਸ਼ਨ ਵਿੱਚੋਂ ਕਰਨ ਦੀ ਕੋਸ਼ਿਸ਼ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 8 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ - ਏ

- ਪ੍ਰ. 1 ਆਧੁਨਿਕ ਸਮੇਂ ਦੌਰਾਨ ਭਾਰਤੀ ਸੰਗੀਤ ਵਿੱਚ ਕਿਹੜੇ ਮਹੱਤਵਪੂਰਨ ਬਦਲਾਅ ਆਏ ਹਨ?
- ਪ੍ਰ. 2 ਭਾਰਤੀ ਨੋਟੇਸ਼ਨ ਪ੍ਰਣਾਲੀ ਦੇ ਵਿਕਾਸ ਨੂੰ ਵਿਸਤਾਰ ਵਿੱਚ ਦੱਸੋ, ਜਿਸ ਵਿੱਚ ਇਸਦੇ ਲਾਭ ਅਤੇ

ਨੁਕਸਾਨ ਸ਼ਾਮਲ ਹਨ।

ਸੈਕਸ਼ਨ - ਬੀ

ਪ੍ਰ. 3 ਪੰਜਾਬ ਦੇ ਲੋਕ ਸੰਗੀਤ ਦਾ ਵਿਸਤ੍ਰਿਤ ਗਿਆਨ ਦਿਓ।

ਪ੍ਰ. 4 ਪੰਡਿਤ ਦਿਲੀਪ ਚੰਦਰ ਬੇਦੀ ਦੇ ਜੀਵਨ ਬਾਰੇ ਲਿਖੋ, ਉਨ੍ਹਾਂ ਦੇ ਭਾਰਤੀ ਸੰਗੀਤ ਵਿੱਚ ਯੋਗਦਾਨ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।

ਸੈਕਸ਼ਨ - ਸੀ

ਪ੍ਰ. 5 ਰਾਗ ਦਰਬਾਰੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਦਾ ਵਰਣਨ ਇਸਦੇ ਨੋਟੇਸ਼ਨ ਦੇ ਨਾਲ ਕਰੋ।

ਪ੍ਰ. 6 ਤਾਲ ਦੀਪਚੰਦੀ ਨੂੰ ਇਸਦੇ ਨੋਟੇਸ਼ਨ ਨਾਲ ਵਿਸਤਾਰ ਵਿੱਚ ਦੱਸੋ।

ਸੈਕਸ਼ਨ - ਡੀ

ਪ੍ਰ. 7 ਗੁਰਮੀਤ ਸੰਗੀਤ ਵਿੱਚ ਵਰਤੀਆਂ ਜਾਂਦੀਆਂ ਸ਼ਾਸਤਰੀ ਗਾਇਨ ਸ਼ੈਲੀਆਂ ਬਾਰੇ ਤੁਸੀਂ ਕੀ ਜਾਣਦੇ ਹੋ?

ਪ੍ਰ. 8 ਸੰਤ ਸਰਵਣ ਸਿੰਘ ਗੰਧਰਵ ਦੇ ਭਾਰਤੀ ਸੰਗੀਤ ਪ੍ਰਤੀ ਯੋਗਦਾਨ ਬਾਰੇ ਲਿਖੋ।

Hindi Version

ਨੋਟ: प्रत्येक खंड से कम से कम एक प्रश्न चुनते हुए कुल पाँच प्रश्नों के उत्तर दीजिए।
पाँचवाँ प्रश्न किसी भी खंड से दिया जा सकता है। प्रत्येक प्रश्न 8 अंकों का है।

खंड - क

प्रश्न 1 आधुनिक काल में भारतीय संगीत में क्या महत्वपूर्ण परिवर्तन हुए?

प्रश्न 2 भारतीय स्वर-विन्यास प्रणाली के विकास, उसके गुणों और दोषों का विस्तार से वर्णन कीजिए।

खंड - ख

प्रश्न 3 पंजाब के लोक संगीत का विस्तृत ज्ञान दीजिए।

प्रश्न 4 पंडित दिलीप चंद्र बेदी के जीवन के बारे में लिखिए और भारतीय संगीत में उनके योगदान की व्याख्या कीजिए।

खंड - ग

प्रश्न 5 राग दरबारी की विशेषताओं का उसके स्वर-विन्यास सहित वर्णन कीजिए।

प्रश्न 6 ताल दीपचंदी का उसके स्वर-विन्यास सहित विस्तार से वर्णन कीजिए।

खंड - घ

प्रश्न 7 गुरमीत संगीत में प्रयुक्त शास्त्रीय गायन शैलियों के बारे में आप क्या जानते हैं?

प्रश्न 8 संत सरवन सिंह गंधर्व के भारतीय संगीत में योगदान के बारे में लिखिए।

Exam Code: 121205

Paper Code: 5117 - R

Programme: Bachelor of Arts (Semester - V)

Course Title: Physical Education

Course Code: BARM-5384 ✓

Time Allowed: 3 Hours

Max Marks: 50

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 10 marks.

Section-A

1. What do you mean by the term Recreation? Discuss the agencies providing Recreation in India.
मनोरंजन शब्द से आप क्या समझते हैं? भारत में मनोरंजन प्रदान करने वाली एजेंसियों पर चर्चा कीजिए।
मनोरंजन मंचों में तुलना की भाव है? भारत में मनोरंजन प्रदान करने वाली एजेंसीयां घरे चर्चा करें।
2. Write about the Arjuna Award and Dronacharya Award in India.
भारत में अर्जुन पुरस्कार और द्रोणाचार्य पुरस्कार के बारे में लिखें।
भारत में अरजुन पुरस्कार और द्रोणाचार्य पुरस्कार घरे लिखें।

Section-B

3. What is the Meaning of Muscular Contraction? Write in details Isotonic, Eccentric and Isometric Contraction with Suitable Examples in Sports.
मांसपेशियों में संकुचन का क्या अर्थ है? खेलों में आइसोटोनिक, एक्सेंट्रिक और आइसोमेट्रिक संकुचन को उदाहरण सहित विस्तार से लिखें।
मांसपेशी संकुचन का क्या अर्थ है? खेलों में आइसोटोनिक, एक्सेंट्रिक और आइसोमेट्रिक संकुचन को उदाहरण सहित विस्तार से लिखें।

4. Describe the Meaning of Obesity. Explain the Relationship between Weight Management and Physical Activity.
ਮੋਟਾਪੇ ਦਾ ਅਰਥ ਦੱਸੋ। ਭਾਰ ਪ੍ਰਬੰਧਨ ਅਤੇ ਸਰੀਰਕ ਗਤੀਵਿਧੀ ਵਿਚਕਾਰ ਸਬੰਧ ਦੱਸੋ।

Section-C

5. What are the causes of Poor Posture? Describe the Preventive and Remedial Measures of Flat Foot, Bow Legs and Round Shoulder?
ਖਰਾਬ ਸੁਰਤ ਦੇ ਕੀ ਕਾਰਨ ਹਨ? ਚਪਟੇ ਪੈਰ, ਧਨੁਸ਼ਾਕਾਰ ਪੈਰ ਅਤੇ ਗੋਲ ਕੰਧੇ ਦੇ ਨਿਵਾਰਕ ਅਤੇ ਉਪਚਾਰਾਤਮਕ ਉਪਾਏ ਦਾ ਵਰਣਨ ਕਰੋ।
ਮਾੜੇ ਆਸਣ ਦੇ ਕੀ ਕਾਰਨ ਹਨ? ਫਲੈਟ ਪੈਰ, ਬੋਅ ਲੱਤਾਂ ਅਤੇ ਗੋਲ ਮੋਢੇ ਦੇ ਰੋਕਥਾਮ ਅਤੇ ਉਪਚਾਰਕ ਉਪਾਏ ਦਾ ਵਰਣਨ ਕਰੋ।
6. What is the meaning of Good Posture. Describe the Types of Good Posture.
ਅੱਚੇ ਆਸਣ ਦਾ ਕੀ ਅਰਥ ਹੈ? ਅੱਚੇ ਆਸਣ ਦੇ ਕਿਸਮਾਂ ਦਾ ਵਰਣਨ ਕਰੋ।

Section-D

7. Explain the Concept of Load. Elaborate the terms Normal Load, Crest Load and Over Load with Suitable Examples in Sports.
ਭਾਰ ਦੀ ਅਵਧਾਰਨਾ ਦੀ ਸਮਝਾਓ। ਖੇਲਾਂ ਵਿੱਚ ਉਪਯੁਕਤ ਉਦਾਹਰਣਾਂ ਦੇ ਨਾਲ ਸਾਮਾਨ ਭਾਰ, ਸਿਖਰ ਭਾਰ ਅਤੇ ਅਤਿਭਾਰ ਸ਼ਬਦਾਂ ਦੀ ਵਿਸਤਾਰ ਨਾਲ ਸਮਝਾਓ।
ਭਾਰ ਦੀ ਧਾਰਨਾ ਦੀ ਵਿਆਖਿਆ ਕਰੋ। ਖੇਡਾਂ ਵਿੱਚ ਢੁਕਵੀਆਂ ਉਦਾਹਰਣਾਂ ਦੇ ਨਾਲ ਸਧਾਰਨ ਭਾਰ, ਕਰੈਸਟ ਭਾਰ ਅਤੇ ਓਵਰ ਭਾਰ ਸ਼ਬਦਾਂ ਦਾ ਵਿਸਤਾਰ ਕਰੋ।
8. Describe the different Types of Warming-up and Cooling Down in Sports.
ਖੇਲਾਂ ਵਿੱਚ ਵਾਰਮਿੰਗ-ਅਪ ਅਤੇ ਕੂਲਿੰਗ ਡਾਊਨ ਦੇ ਵਿਭਿੰਨ ਕਿਸਮਾਂ ਦਾ ਵਰਣਨ ਕਰੋ।

Exam Code: 121205

Paper Code: 5117

Programme: Bachelor of Arts (Semester – V)

Course Title: Physical Education

Course Code: BARM-5384

Time Allowed: 3 Hours

Max Marks: 50

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 10 marks.

Section-A

1. Explain the Meaning of Recreation? Discuss the Importance of Recreation in the Modern Society.
मनोरंजन का अर्थ समझाइए? आधुनिक समाज में मनोरंजन के महत्व पर चर्चा कीजिए।
ਮਨੋਰੰਜਨ ਦਾ ਅਰਥ ਦੱਸੋ? ਆਧੁਨਿਕ ਸਮਾਜ ਵਿੱਚ ਮਨੋਰੰਜਨ ਦੀ ਮਹੱਤਤਾ ਬਾਰੇ ਚਰਚਾ ਕਰੋ।
2. Write about the Maharaja Ranjit Singh Award and Dhyanchand Khel Ratan Award in India.
भारत में महाराजा रणजीत सिंह पुरस्कार और ध्यानचंद खेल रत्न पुरस्कार के बारे में लिखें।
ਭਾਰਤ ਵਿੱਚ ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਅਵਾਰਡ ਅਤੇ ਧਿਆਨਚੰਦ ਖੇਲ ਰਤਨ ਅਵਾਰਡ ਬਾਰੇ ਲਿਖੋ।

Section-B

3. Explain the Meaning of Motion. State the three Laws of Motion with Suitable Examples in Sports.
गति का अर्थ समझाइए। खेलों में गति के तीन नियमों को उपयुक्त उदाहरणों सहित बताइए।
ਗਤੀ ਦਾ ਅਰਥ ਸਮਝਾਓ। ਖੇਡਾਂ ਵਿੱਚ ਢੁਕਵੀਆਂ ਉਦਾਹਰਣਾਂ ਦੇ ਨਾਲ ਗਤੀ ਦੇ ਤਿੰਨ ਨਿਯਮ ਦੱਸੋ।
4. Define the Term Force. Explain the Types and Principles of Force with Suitable Examples in Sports.
बल शब्द को परिभाषित कीजिए। खेलों में उपयुक्त उदाहरणों के साथ बल के प्रकार और सिद्धांतों की व्याख्या कीजिए।

ਬਲ ਸ਼ਬਦ ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕਰੋ। ਖੇਡਾਂ ਵਿੱਚ ਦੁਕਵੀਆਂ ਉਦਾਹਰਣਾਂ ਦੇ ਨਾਲ ਬਲ ਦੀਆਂ ਕਿਸਮਾਂ ਅਤੇ ਸਿਧਾਂਤਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।

Section-C

5. What do you mean by Postural deformities? What are the causes of Poor Posture and describe the preventive and remedial measures of Kyphosis, Scoliosis and Lordosis?

ਆਸਨ ਸੰਬੰਧੀ ਵਿਕ੍ਰਿਤੀਆਂ ਦੇ ਆਪ ਕੀ ਸਮਝਾਏ ਹਨ? ਖਰਾਬ ਆਸਨ ਦੇ ਕਾਰਨ ਕੀ ਹਨ ਅਤੇ ਕਾਫੋਸਿਸ, ਸਕੋਲੀਓਸਿਸ ਅਤੇ ਲੋਰਡੋਸਿਸ ਦੇ ਨਿਵਾਰਕ ਅਤੇ ਉਪਚਾਰਕ ਉਪਾਏ ਦਾ ਵਰਣਨ ਕਰੋ।

ਪੋਸਚਰਲ ਡਿਫਾਰਮਿਟੀਜ਼ ਤੋਂ ਤੁਹਾਡਾ ਕੀ ਭਾਵ ਹੈ? ਮਾੜੀ ਪੋਸਚਰ ਦੇ ਕਾਰਨ ਕੀ ਹਨ ਅਤੇ ਕੀਫੋਸਿਸ, ਸਕੋਲੀਓਸਿਸ ਅਤੇ ਲੋਰਡੋਸਿਸ ਦੇ ਨਿਵਾਰਕ ਅਤੇ ਉਪਚਾਰਕ ਉਪਾਏ ਦਾ ਵਰਣਨ ਕਰੋ।

6. Define the Term Good Posture. Explain the types of Good Posture. अच्छे आसन शब्द को परिभाषित कीजिए। अच्छे आसन के प्रकार को समझाइए।
"ਚੰਗੀ ਆਸਣ" ਸ਼ਬਦ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦਿਓ। ਚੰਗੀ ਆਸਣ ਦੀਆਂ ਕਿਸਮਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।

Section-D

7. Define the Term Sports Training. Explain Aim & Objectives and Principles of Sports Training.

ਖੇਲ ਪ੍ਰਸ਼ਿਕਸ਼ਣ ਸ਼ਬਦ ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕੀਜ਼ਿਏ। ਖੇਲ ਪ੍ਰਸ਼ਿਕਸ਼ਣ ਦੇ ਉਦੇਸ਼ ਅਤੇ ਉਦੇਸ਼ ਸਿਧਾਂਤਾਂ ਦੀ ਵਿਆਖਿਆ ਕੀਜ਼ਿਏ।

ਖੇਡ ਸਿਖਲਾਈ ਸ਼ਬਦ ਦੀ ਪਰਿਭਾਸ਼ਾ ਦੱਸੋ। ਖੇਡ ਸਿਖਲਾਈ ਦੇ ਉਦੇਸ਼ ਅਤੇ ਉਦੇਸ਼ ਅਤੇ ਸਿਧਾਂਤਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ।

8. Explain the different types and Importance of Warming-up and Cooling Down in Sports.

ਖੇਲਾਂ ਮੇਂ ਵਾਰਮ-ਅਪ ਅਤੇ ਕੂਲਿੰਗ-ਡਾਊਨ ਦੇ ਵਿਭਿੰਨ ਪ੍ਰਕਾਰ ਅਤੇ ਮਹਤਵ ਨੂੰ ਸਮਝਾਏ।

ਖੇਡਾਂ ਵਿੱਚ ਵਾਰਮਿੰਗ-ਅੱਪ ਅਤੇ ਕੂਲਿੰਗ ਡਾਊਨ ਦੀਆਂ ਵੱਖ-ਵੱਖ ਕਿਸਮਾਂ ਅਤੇ ਮਹੱਤਵ ਬਾਰੇ ਦੱਸੋ।

Exam Code: 121205

Paper Code: 5113

Programme: Bachelor of Arts

Semester: V

Course Title: Psychology (Abnormal Psychology – I)

Course Code: BARM- 5443

Time Allowed: 3 Hrs.

Max. Marks: 60

Note: Attempt five questions, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 12 marks.

SECTION-A

1. Discuss the humanistic approach given by Maslow and Rogers in context of development of abnormal behaviour. Explain giving example. (12)
2. Write a detailed note on DSM V classification. Also discuss the advantages of DSM V classification. (12)

SECTION-B

3. Explain the Psycho social causes of abnormal behaviour. (12)
4. Write a detailed note on the biological causes of abnormal behaviour. (12)

SECTION-C

5. Write a detailed note on the following:
 - (a) Concept of Stress.
 - (b) The categories of stressors with suitable examples. (6, 6)
6. Write a detailed note on the following
 - (a) Migraine Pain
 - (b) Hypertension (6, 6)

SECTION-D

7. Explain the clinical picture, causes and treatment of Alcoholism. (12)
8. Write a detailed note on the following:
 - (a) Opium
 - (b) Stimulants: Amphetamines and Cocaine (6, 6)

Exam Code: 121205
(20)

Paper Code: 5124

Programme: Bachelor of Arts
Semester-V

Course Title: Sanskrit (Elective) (Neetikatha, Sahitya Tatha
Vyakarana)

Course Code: BARM-5466

Time Allowed: 3 Hours

Max Marks: 60

नोट— प्रश्न पत्र के कुल 4 सैक्शन हैं तथा प्रत्येक सैक्शन में 2-2 प्रश्न हैं। किसी एक सैक्शन में से दोनों प्रश्न करें तथा शेष 3 सैक्शन में से केवल एक-एक प्रश्न करें।

Section-A

1. प्रश्न निम्नलिखित श्लोकों की सप्रसंग व्याख्या करें।

(क) शत्रुणा योजयेच्छत्रुं बलिना बनवत्तरम्।

स्वकार्याय यतो न स्यात् काचित् पीडाऽत्र तत्क्षये॥

(ख) नाऽमृतं न विषं किञ्चिदेकां मुक्त्वा नितम्बिनीम्।

यस्याः सङ्गेन जीव्येत म्रियते च वियोगतः॥

(ग) शूरपुत्र कृतविद्यञ्च दर्शनीयोऽसि पुत्रक!

यस्मिन्कुले त्वमुत्पन्नो गजस्तत्र न हन्यते॥

(घ) एका प्रसूयते माता द्वितीया वाक्यप्रसूयते।

वाग्जातमधिकं प्रोचुः सोदर्यादपि बान्धवात्॥

12 अंक

2. प्रश्न सिंहलम्बककर्णकथा का सार अपने शब्दों में लिखकर इसमें वर्णित उपदेश बताओ। **अथवा**
युधिष्ठिरकुम्भकारकथा में निर्दिष्ट उपदेश को स्पष्ट करो।

अंक 12

Section-B

3. प्रश्न निम्नलिखित श्लोकों की सप्रसंग व्याख्या करें—

(क) ऐकनापि सुधीरेण सोत्साहेन रणं प्रति।

सोत्साहं जायते सैन्यं, भग्ने भङ्गमवाप्नुयात्॥

(ख) प्राहुः साप्तपदं मैत्रं जनाः शास्त्रविचक्षणाः।

मित्रतां च पुरस्कृत्य किञ्चिद्वक्ष्यामि तच्छृणु॥

(ग) अन्त्यावस्थोऽपि महान्स्वामिमुणान्नो जहाति शुद्धतया।

न श्वेतभावमुज्झाति शङ्खः षिखिभुक्तमुक्तोऽपि॥

(घ) अकृत्वा पौरुषं या श्रीः किं तयाऽपि सुभोग्यया?

जरदभवः समप्नाति दैवादुपगतं तृणम्॥

अंक 12

4. प्रश्न घण्टोष्कथा की संक्षिप्त विषय-वस्तु तथा इस कथा में वर्णित उपदेश लिखो।

अथवा

सिंहशृगालपुत्रकथा का सार लिखकर इसका महत्त्व स्पष्ट करो।

अंक 12

Section-C

5. प्रश्न (क) निम्नलिखित पदों की सन्धि करें—

अष्पः + धावति	मनः + योगः	बालः + इच्छति
कृष्णः + सर्पः	देवः + ठक्कुरः	मुनिः + छात्रः

अंक 06

(ख) निम्नलिखित पदों की सन्धिविच्छेद करें—

पूर्णष्वन्द्रः	बालस्तथा	अयस्कारः	देशोऽयम्नर इव
एकष्षिषुः	परिष्कारः		

अंक 06

6. प्रश्न (क) निम्नलिखित धातुओं के साथ निर्दिष्ट प्रत्यय लगाकर लट् लकार प्रथम पुरुष एकवचन में रूप बनायें —

'सिच्' धातु + सन् प्रत्यय	'भू' धातु + णिच् प्रत्यय
'दिव' धातु + सन् प्रत्यय	'गम्' धातु + णिच् प्रत्यय
'हा' धातु + सन् प्रत्यय	'कृ' धातु + णिच् प्रत्यय

अंक 06

(ख) निम्नलिखित में से किन्हीं दो के बारे में सामान्य जानकारी प्रदान करें—

ऋतु, मास, नवग्रह, राशि	अंक 06
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Section-D

7. प्रश्न (क) 'यजुर्वेद' अथवा 'ऋग्वेद' में से किसी एक का सामान्य परिचय दीजिये। अंक 06
(ख) 'अथर्ववेद' अथवा 'सामवेद' में से किसी एक की विषय-वस्तु को स्पष्ट करें। अंक 06
8. प्रश्न निम्नलिखित व्यवहारिक शब्दावली में से किन्हीं 6 शब्दों का संस्कृत रूप लिखें—
बन्दर, बांह, कबूतर, मोर, जीभ, नेवला, थाली, हार, ससुर, भाभी, कम्प्यूटर, टेलीविजन।

12 अंक

Exam Code: 121705
(50)

Paper Code: 5192

Programme: Bachelor of Business Administration
Semester-V

Course Title: Company Law

Course Code: BBRL-5323 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carries 16 marks

SECTION- A

1. "A company is an artificial person created by law with a perpetual succession." Explain with reference to case law. (16)
2. Discuss the Doctrine of Ultra Vires vis-a-vis a company, the directors and the Articles. What is the legal effect of Ultra Vires Act? (16)

SECTION- B

3. What are the Articles of Association? Discuss the limit upon powers of a company to alter or add to Articles of Association. (16)
4. What do you understand by 'Rule of Golden Legacy'? (16)

SECTION -C

5. Define Share Capital. State various Classes and Provisions relating to Alteration of Share capital.
(4,12)
6. State the provisions of Companies Act, 2013 relating to Appointment and Removal of Directors.
(8,8)

SECTION- D

7. State the provisions of Companies Act, 2013 relating to the calling and holding of Annual General Meeting.
(16)
8. What do you understand by the Winding Up of a Company. State the Procedure and Consequences of Winding Up.
(4,12)

Exam Code: 121705

Paper Code: 5193

Programme: Bachelor of Business Administration

Semester - V

Course Title: Entrepreneurship and Small Business

Course Code: BBRL- 5324 ✓

Time: 3 Hours

Maximum Marks: 80

Note: Attempt five questions in all, selecting atleast one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section - A

1. "Entrepreneurship is a creative and dynamic process." Justify the statement.
2. Entrepreneurship combines innovation, risk-taking, and resource management. Explain this statement with reference to the nature and characteristics of entrepreneurship.

Section - B

3. Discuss the Role of Entrepreneurial Development Programs in Fostering Entrepreneurship and Economic Growth.
4. Discuss the key characteristics of successful entrepreneurs and how they contribute to business growth and development.

Section - C

5. Discuss the role of small businesses in promoting entrepreneurship and economic growth. How do small businesses contribute to innovation, job creation, and community development?
6. Discuss the importance of effective financial management in the current operations of a business. How can financial planning, budgeting, and working capital management contribute to a company's profitability and sustainability?

Section - D

7. Discuss the contribution of small businesses to the national economy.
8. Discuss the role of commercial banks in promoting and servicing small businesses. How do commercial banks provide financial support to small businesses, and what are the benefits and challenges of bank financing for small businesses?

Exam Code: 121705
(50)

Paper Code: 5194

Programme: Bachelor of Business Administration
Semester-V

Course Title: Cost Accounting

Course Code: BBRL-5325 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt 5 questions selecting at least 1 question from each section. Fifth question may be selected from any section. Each question carries 16 marks.

SECTION-A

1. What do you mean by Cost Accounting? Explain the various elements of cost with the help of example.
2. From the following particulars, prepare a cost sheet showing the components of total cost and profit for the year ended 31.12.2023

Particulars	On 31.12.2022	On 31.12.2023
Stock of Raw materials	40000	50000
Work-in-Progress	15000	10000
Stock of Finished Goods	6000	15000
Purchases of Raw materials		475000
Carriage Inwards		12500
Wages		175000
Works Managers Salary		30000
Factory Employees Salary		60000
Power Expenses		9500
Factory Rent, Taxes and Insurance		7250
Other Production Expenses		42500
General Expenses		32500
Sales for the year		860000
Income-Tax		2750
Dividend		500
Debenture interest		2500
Goodwill		5000
Payment of Sales Tax		8000

SECTION-B

3. A product passes through three distinct processes to completion. These processes are numbered respectively 1, 2 and 3. During the Week ended 31st January, 1,000 units are produced. The following information is obtained:

	Process 1	Process 2	Process 3
Materials	6,000	3,000	2,000
Labour	5,000	4,000	5,000
Direct Expenses	1,000	200	1,000

The indirect Expenses for the period were Rs. 2,800 apportioned to the processes on the basis of wages. Prepare Process Accounts.

4. Work out the financial result in respect of contract for construction of buildings undertaken by a firm. Your answer should be based on the following figures extracted from the financial books of the firm, for the year ended 31.03.2023

The term of the contract is Rs. 10 per sq. Foot of the covered floor area as accepted and certified by the engineer of the contractee.

a) **Materials:** Building materials in stock at the commencement of work Rs. 10,000, purchases during the currency of the contract; Cement 7500 bags @ Rs.6 per bag, bricks 1,25,000 @ Rs. 40 per thousand, Sand 10,000 c.ft. @ Rs. 10 per 100 c.ft., Wood work 900 c.ft., @rs. 10 per c.ft. value of materials in hand after completion of work, Rs.10,000.

b) **Labour:** 100 masons at Rs. 4 per day for 25 days, 400 mazdoors at Rs.2 per day for 25 days.

c) **Tools and Plants:** Two new concrete mixtures were purchased at Rs. 10,000 each at the commencement of contract. Residual value as assessed after completion of contract is Rs.3500 for each mixture.

d) **Supervision:** 50 percent of two engineers pay at Rs.1000 per month for each engineer for two months, 50 % of 10 overseers pay @ Rs. 200 per month for each overseer for 4 months.

e) **Administration Overhead:** 20% of head office expenses for the period of contract, the total head office expenses for this period are Rs. 5000.

f) **Quantity of work done:** Work Accepted and certified by the engineer: 12000 sq. Ft. Of covered floor area.

SECTION —C

5. What is Standard Costing? Explain its various Advantages and Disadvantages.
6. Explain the concept of Contribution, P/V Ratio, Break Even Point and Margin of Safety with the suitable example?

SECTION-D

7. What is Budgetary Control? What are the advantages and disadvantages of Budgetary Control?

8. The cost of an article 'X' at a Capacity level of 5,000 units is given under 'A' below. For a variation of 25% in capacity above or below this level; the individual expenses vary as under 'B' below:

	A	B
Material Cost	25,000	100% Varying
Labour Cost	15,000	100% Varying
Power	1,250	80% Varying
Repairs and Maintenance	2,000	75% Varying
Stores	1,000	100% Varying
Inspection	500	20% Varying
Depreciation	10,000	100% Varying
Administration Overheads	5,000	25% Varying
Selling Overheads	3,000	50% Varying
TOTAL	62,750	

Find out the cost of the product at production levels of 4,000 units and 6,000 units

**Exam Code: 121705
(50)**

Paper Code: 5195

**Programme: Bachelor of Business Administration
Semester-V**

Course Title: Management of Banking Operations

**Course Code: BBRL-5326
(Opt-C I)**

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

SECTION-A

1. What do you mean by Monetary Policy? Explain the various measures of Monetary Policy.
2. Define Commercial Bank. Briefly explain the various types of Bank Accounts.

SECTION-B

3. What do you mean by Lending? Explain the different types of loans and advances provided by bank.
4. Discuss the concept of Risk Management in Banks. How many types of risks are prevailing in banks?

SECTION-C

5. What are the implications of Basel for banks in India?
6. Discuss the procedure of Anti Money Laundering followed in banks.

SECTION-D

7. Discuss the scope of Asset Liability Management (ALM).
8. What do you understand by Corporate Governance in Bank? What are the prerequisites of good corporate governance?

**Exam Code: 121705
(50)**

Paper Code: 5196

**Programme: Bachelor of Business Administration
Semester-V**

Course Title: Insurance and Risk Management

**Course Code: BBRL-5327
(Opt-C II)** ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 Marks.

SECTION-A

1. Explain the various principles of life insurance.
2. What do you mean by surrender value? What are the various methods for calculation of surrender value?

SECTION-B

3. Discuss the procedure of settlement of claim under fire insurance contract.
4. What do you mean by marine insurance? Discuss various marine insurance policies in detail

SECTION-C

5. What do you mean by personal risk management? Explain various steps involved in personal risk management.
6. Define risk. What are the various methods of handling risk?

SECTION-D

7. What do you mean by risk transfer? What are the various methods of non-insurance transfer?
8. Who is surveyor? Discuss the role of surveyor in loss prevention and loss reduction.

Exam Code: 120605

Paper Code: 5162 – R

Programme: Bachelor of Science (Bio-Technology)

Semester – V

Course Title: rDNA Technology-I

Course Code: BBTL-5061

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section-A

1. Explain the role of DNA ligase in molecular cloning. How does it differ in blunt-end and sticky-end ligation?
2. Write short notes on Klenow fragment, reverse transcriptase and terminal deoxynucleotidyl transferase with their specific functions in DNA modification.

Section-B

3. Describe the major features of plasmids that make them suitable as cloning vectors.
4. What are cosmids and M13 vectors.

Section-C

5. Compare Southern and Northern blotting techniques with respect to their principle, steps, and applications.
6. Describe the principle and steps of CaCl_2 - mediated bacterial transformation and electroporation.

Section-D

7. Differentiate between radioactive and non-radioactive labelling methods of nucleic acids. Give one example of each.
8. What is random priming? Explain its principle and applications in probe labelling for hybridization studies.

Exam Code: 120605

Paper Code: 5162

Programme: Bachelor of Science (Bio-Technology)

Semester- V

Course Title: rDNA Technology-I

Course Code: BBTL-5061 ✓

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section-A

1. What are restriction endonucleases? Describe their types and importance in recombinant DNA technology.
2. Define the functions of DNA polymerase I and polynucleotide kinase. How are they used in genetic engineering?

Section-B

3. Explain α -complementation in plasmid vectors. How does it help in identifying recombinant clones?
4. Differentiate between lytic and lysogenic cycles of bacteriophage λ and discuss their relevance as cloning vectors.

Section-C

5. Write the merits and demerits of nitrocellulose and nylon membrane.
6. Describe the microprojectile method and explain its advantages over the CaCl_2 -mediated transformation method.

Section-D

7. What is nick translation? Explain its principle and purpose in DNA probe labeling.
8. Discuss indirect non-isotopic labeling of nucleic acids.

Exam Code: 120605

Paper Code: 5163

Programme: Bachelor of Science (Bio-Technology)

Semester-V

Course Title: Animal Biotechnology – I

Course Code: BBTL-5062 ✓

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section A

- Question 1. Enlist various equipment required for animal tissue labs and their respective uses w.r.t cell culturing. (12 marks)
- Question 2. Write notes on following (6X2= 12 marks)
- a. Cryopreservation
 - b. Types of sterilization used for culture media.

Section B

- Question 3. Explain the various types of contamination observed and how they can be monitored. (12 marks)
- Question 4. what are biosafely levels. Distinguish P1, P2, P3 laboratories according to biosafety standards. (12 marks)

Section C

- Question 5. What is Serum free medium. Explain its significance w.r,t animal cell culturing (12 marks)
- Question 6. Discuss the role of following: (6x2=12 marks)
- a. conditioned media
 - b. serum in serum media

Section D

- Question 7. Discuss the process of establishing a cell lines. Explain origin and characteristics of any one cell line. (12 marks)
- Question 8 What is a secondary culture? How monolayer cells are subcultured? (12 marks)

Exam Code: 120605

Paper Code: 5164

Programme: Bachelor of Science (Bio-Technology)

Semester- V

Course Title: Plant Biotechnology-I

Course Code: BBTL-5063

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section-A

1. Define differentiation, dedifferentiation, and redifferentiation in plant cells with examples.
2. Explain different sterilization methods used for glassware, media, and plant materials.

Section-B

3. What are the types of media used in plant tissue culture? Write their significance.
4. Write short notes on gibberellins and abscisic acid, highlighting their functions in tissue culture.

Section-C

5. What are synthetic seeds? Briefly describes their preparation and uses.
6. Explain the process of acclimatization of tissue-culture raised plants and why it is important

Section-D

7. Describe the procedure for haploid plant production using anther or pollen culture.
8. What is ovule culture? Discuss its applications in plant breeding.

Exam Code: 120605

Paper Code: 5165

Programme: Bachelor of Science (Bio-Technology)

Semester-V

Course Title: Bioprocess Engineering - I

Course Code: BBTL-5064

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section – A

1. Write a descriptive not on various fundamental principles of Chemical and Biochemical engineering applied in fermentation technology?
2. State and explain Fourier's Laws of heat transfer in bioprocesses? Explain the role of diffusion in bioprocesses while citing appropriate examples from fermentation processes?

Section – B

3. A. Derive a mathematical relation for explaining simple kinetics of microbial growth? (6 marks)
B. What do you know about “yield of a bioprocess”? Explain various types of yields alongwith their units? (6 marks)
4. A. Explain the process of substrate inhibition kinetics with help of Monod'/Michaelis Mentan equation? (6 marks)
B. Explain the terms metabolic and biomass productivities. How these two are different/similar to each other? (6 marks)

Section – C

5. Explain and derive mathematical relation for explaining Internal and external feed back systems in bioprocesses? What are the various advantages of using these feedback systems in fermentation process?
6. Enlist various types of effector molecules that affect the microbial growth in bioreactor? Deduce a mathematical relation for explain the effect of temperature on microbial growth and metabolite productivity?

Section – D

7. In detail, write the concept and various methods used for air and media sterilizations in continuous fermentation system?
8. What do you know about Del-factor? How is it useful in designing and optimising sterilization cycle and process for killing of a microbe?

Exam Code: 120605
(30)

Paper Code: 5166

Programme: Bachelor of Science (Bio-Technology)
Semester-V

Course Title: Biochemical and Biophysical Techniques-I

Course Code: BBTL-5065

Time Allowed: 3 Hours

Max Marks: 40

Note:- Attempt 5 questions, selecting atleast one from each of section A, B, C and D. Fifth question can be attempted from any section. Each Question carries Eight marks.

Section A

1. What is differential centrifugation? How does it differ from density gradient centrifugation? Discuss the importance of both these centrifugation techniques
(8 marks)
2. (a) Discuss the applications of analytical centrifugation
(b) Write a note on factors affecting sedimentation coefficient?
(4+4 marks)

Section B

3. Write a note on the principle and applications of Ion-exchange Chromatography? (8 marks)
4. A) Write a note on Thin layer chromatography
B) What is partition Coefficient (5+3 marks)

Section C

5. Discuss the principle and applications of Gas liquid chromatography (8 marks)
6. A) Briefly explain the applications of HPLC
B) Write a note on Fast Protein liquid chromatography (4+4 marks)

Section D

7. Write a note on basic principle and instrumentation of NMR (8 marks)
8. A) Discuss principle of Lambert Beer's Law
B) Theory and principle of Single beam UV/V is spectroscopy (4+4 marks)

Exam Code: 120605

Paper Code: 5167

Programme: Bachelor of Science (Bio-Technology)

Semester-V

Course Title: Industrial Biotechnology-II

Course Code: BBTL-5066

Time Allowed: 3 Hours

Max Marks: 40

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 8 marks.

Section A

1. Describe the microbial production process of organic solvents.
2. Write a detailed note on vermicomposting and its benefits.

Section B

3. Discuss in detail the industrial production process of acetic acid.
4. Explain the commercial production of vitamin B12 in detail.

Section C

5. Write a comprehensive note on BT crops and their significance.
6. Elaborate on the process and stages involved in biogas production.

Section D

7. Explain various types of microbial interactions associated with nitrogen fixation.
8. Write a short note on the following:
 - a) Diazotrophs
 - b) Nitrogen cycle

(04+04)

Exam Code: 117905
(50)

Paper Code: 5197

Programme: Bachelor of Computer Applications
Semester-V

Course Title: Computer Networks

Course Code: BCAL-5111 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions. Each question carries equal marks (16 each). You are required to attempt five questions, selecting atleast one question from each section. The fifth question may be attempted from any section.

Section A

1. What is a Computer Network? Explain various types and topologies of a Computer Network?
2. a. Explain OSI model in detail.
b. Compare and Contrast TCP/IP model and OSI Model.

Section B

3. Write a note on:
 - a. Routers
 - b. Repeaters
 - c. Gateway
4. a. Explain the concept and types of switching in detail.

b. How can an error be detected and corrected in the Data Link Layer?

Section C

5. What is routing? Explain various routing algorithms available for transmission of data.
6. Explain IEEE standard 802 in detail.

Section-D

7. What is Cryptography? Explain types of keys used in encryption and decryption of data?
8. Explain TCP services and TCP segment format.

Exam Code: 117905

Paper Code: 5198

Programme: Bachelor of Computer Applications

Semester - V

Course Title: Web Development (Full Stack Development)

Course Code: BCAL-5112

Time Allowed: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section A

1. What is DOM? Explain the structure of DOM in detail with an example. (16)
2. Explain the following in detail: (6+10)
 - a. Advanced functions in JS
 - b. Attributes of Tailwind CSS

Section B

3. What is a node? Write a steps to create a node server. Explain the concept of Routing and Redirectional request approach in NodeJS? (16)
4.
 - a. What do you mean by ExpressJS? How a request and response can be processed in ExpressJS? (8)
 - b. Explain Express Framework? List down the applications of ExpressJS? (8)

Section C

5. What is bootstrap? Explain the features of Bootstrap? Explain the concept of Bootstrap Forms and breakpoints in detail? (16)
6. Write a note on: (8*2)
 - a. Bootstrap icons
 - b. List groups in Bootstrap

Section D

7.
 - a. What is ReactJS? Explain the File structure of ReactJS in detail.
 - b. Explain the usage of Props in detail with an example. (8*2)
8. Explain the following: (4+6+6)
 - a. Difference between React and ReactVite
 - b. State Hooks
 - c. Use Effect hook

(For Reappear Candidates (Old Syllabus 2024-25))

Exam Code: 117905

Paper Code: 9505

Bachelor of Computer Applications (Semester-V)

Course Title: Web Technologies (Full Stack Development)

Course Code: BCAL-5112

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question can be attempted from any Section. Each question carries 12 marks.

Section-A

Q1-What is DOM? Explain its structure. List various events in DOM. How events are handled in DOM?

Q2-What is JavaScript? Explain different operators of JavaScript with the help of programming example.

Section-B

Q3- What is React? Explain its features and lifecycle of React components.

Q4- Explain the process of fetching data using API in React.

Section-C

Q5- Explain HTTP and URL module.

Q6- How will you upload file in node? Explain it with the help of an example.

Section-D

Q7- Explain the working with HTTP methods.

Q8- How express application use the Application-level middleware.

Paper Code: 5203

Programme	Exam Code	Course Code
Bachelor of Computer Applications	117905	BCAL-5113
Bachelor of Science (Information Technology)	118005	BITL-5113

Semester- V

Course Title: Operating System

(70)

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions. Each question carries equal marks (16 each). You are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Section A

1. Explain the main purpose of the Operating system? Why is an operating system known as a resource manager? Differentiate the features of multiprogramming and multiprocessing systems with an example? 16
2. a. What is a process? How can a process be scheduled?
b. Explain system calls in detail. 16

Section B

3. What is meant by the critical section problem? How is it managed? Explain the role of semaphores for process synchronization? 16

4. a. Explain CPU scheduling algorithms with examples?
b. Explain Scheduling Criteria of an algorithm in detail.

16

Section C

5. a. What is Deadlock? How can it occur in a system? How is the deadlock situation handled by an operating system? Explain.
b. Discuss the methods for the following:
(i) Deadlock Detection
(ii) Deadlock Recovery
6. Explain the working process of Paging in detail.

16

16

Section D

7. What is the need of virtual memory? Explain the role of demand paging in detail with an example.
8. a. Compare LRU and Optimal page replacement algorithm with an example
b. Thrashing

16

16

Exam Code: 117905
(50)

Paper Code: 5199

Programme: Bachelor of Computer Applications
Semester-V

Course Title: Object Oriented Programming-II

Course Code: BCAL-5114

Time Allowed: 3 Hours

Max Marks: 80

**Note:- All questions carry equal marks (16 each).
Candidates are required to attempt five questions selecting
atleast one question from each section. The fifth question
may be attempted from any section.**

Section —A

1. Explain complete structure of java program. (16)
2. Write program in java for string concatenation. (16)

Section —B

3. Explain concept of inheritance with its types. (16)
4. How to access package from another package. (16)

Section— C

5. Explain concept of exception Handlin. (16)
6. Explain concept of threads. Also explain life cycle of
thread. (16)

Section— D

7. Explain buffered output stream; buffered input stream. (16)
8. Explain JDBC,JDBC drivers. (16)

Exam Code: 117905

Paper Code: 9506

Programme: Bachelor of Computer Applications
Semester-V

Course Title: Object Oriented Programming-II

Course Code: BCAL-5114

Time Allowed: 3 Hours

Max Marks: 60

Note:- All questions carry equal marks (12 each).
Candidates are required to attempt five questions selecting
atleast one question from each section. The fifth question
may be attempted from any section.

Section —A

1. Explain complete structure of java program.
2. Write program in java for string concatenation.

Section —B

3. Explain concept of inheritance with its types.
4. How to access package from another package.

Section— C

5. Explain concept of exception Handlin.
6. Explain concept of threads. Also explain life cycle of thread.

Section— D

7. Explain buffered output stream; buffered input stream.
8. Explain JDBC, JDBC drivers.

Paper Code: 5204

Programme	Course Code	Exam Code
Bachelor of Computer Applications	BCAL-5118	117905
Bachelor of Science (Information Technology)	BITL-5118	118005

Semester: V

Course Title: Data Mining and Data Warehousing

Time Allowed: 3 Hrs

Max. Marks: 80

Note: Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section - A

- Q1) What are the Objectives of Data Mining. What kind of Data be Mined? (8, 8)
- Q2) Explain in detail the Data Mining Process. (16)

Section - B

- Q3) What are various Data Mining Techniques? Explain Association rules. (16)
- Q4) Explain: (a) K-nearest neighbors (b) Cluster analysis (8, 8)

Section - C

- Q5) Explain the Benefits and Problems of Data Warehouses. (8, 8)
- Q6) What do you understand by OLAP? Compare and Contrast ROLAP and MOLAP. (6, 10)

Section - D

- Q7) Discuss Single stage and Multistage data warehouses. (16)
- Q8) Explain data warehouse tools as clearly as you can. (16)

(For Reappear Candidates Only (2023-24))

Exam Code: 109105

Paper Code: 9504

Programme: Bachelor of Commerce (Honours) (Semester-V)

Course Title: Income Tax

Course Code: BCOL-5092

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting atleast one question from each section. The fifth question can be attempted from any section. Each question carries 16 marks.

Section A

1. Explain the following Terms

- i) Previous Year
- ii) Assessee
- iii) Income
- iv) Assessment Year

(16)

2. Give a detailed note on Residential status of an assessee.

(16)

Section B

3. What do you mean by perquisites? Give five examples of tax-free perquisites.

(16)

4. What are the allowances that are admissible in determining the income from business?

(16)

Section C

5. What are short-term and long-term capital gains? Write a note on exempted capital gains. (16)

6. Mr. X is the owner of two houses which he uses for his residential purposes. He submits the following information in respect of these houses for the Previous Year 2023-24:

	House I (₹)	House II (₹)
Municipal Valuation	80,000	2,00,000
Fair Rent	1,00,000	2,40,000
Municipal taxes paid	10,000	30,000
Fire insurance premium	1,000	2,000
Interest on loan is taken for the construction of the house	60,000	3,00,000

His other incomes are ₹ 2,50,000. Compute his total income.

(16)

Section D

7. Explain the deductions under section 80D, 80DD and 80U in detail.

(16)

8. Write a detailed note on Tax Deducted at Source.

(16)

Exam Code: 121105
(40)

Paper Code: 5186

Programme: Bachelor of Commerce (~~B.Com~~)
Semester-V

Course Title: Management Accounting

Course Code: BCRL-5093 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Candidates are required to attempt five questions, selecting at least one question from each section (A-D) and the fifth question may be attempted from any Section. Each question carries 16 marks.

Section-A

1. What do you understand by 'Management accounting'?
How does it differ from Cost Accounting?
2. With the help of the following information prepares Comparative Income Statement:

Particulars	31-03-2023	31-03-2023
Revenue from operation (Net Sales)	Rs.12,5000	Rs. 10,00,00
Purchase of Stock in-Trade	Rs. 6,00,000	Rs. 5,80,000
Change in inventory Stock in-Trade	40,000	50,000
Other Incomes (Interest on Investment)	30,000	30,000
Other Expenses	60,000	50,000
Rate of Income Tax	40%	40%

Section-B

3. What is meant by ratio analysis? Discuss its objects and limitations.
4. Following are the Balance Sheet of ABC Ltd. For 2022 and 2023:

	2022 Rs. in '000	2023 Rs. in '000
Equity Share Capital	700	800
General Reserve	450	600
P&L A/c	173	233
Overdraft	1,150	1,400
Creditors	700	900
Outstanding Expenses	80	92
Tax Provision	197	370
Proposed Dividend	150	150
	3600	4,545
Fixed Assets	600	680
Depreciation	(200)	(320)
	400	360
Investments	120	-
Debtors	1,300	2,185
Stock	1,780	2,000
	3600	4,545

Profit for 2023 after providing depreciation was Rs. 7, 00,000, which was further adjusted in the following way:

P&L balance		1,73,000
Add Profit after Depreciation		7,00,000
Profit on sale of Investments		20,000
		8,93,000
Less Provision for Taxation	3,60,000	
Transfer to reserve	1,50,000	
Proposed Dividend	1,50,000	6,60,000
		2,33,000

Prepare Fund Flow Statement.

Section-C

5. Prepare format of Cash Flow Statement as per AS-3 Norms with imaginary figures?
6. Write a note on :
 1. Activity Based Costing
 2. Responsibility centers.

Section-D

7. What is Transfer Pricing? Explain the Methods of Transfer Pricing.
8. What do you understand by C.V.P. analysis? How it is helpful for management for decision making?

Exam Code: 121105

Paper Code: 5187

Programme: Bachelor of Commerce (Semester – V)

Course Title: Direct Tax Law

Course Code: BCRL-5094

Time Allowed: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks. **Simple Calculator is allowed.**

Section A

1. Income tax is charged on income of the previous year. Do you agree with this statement?
2. What are the different categories into which assesses are divided with regard to its residence?

Section- B

3. Compute taxable salary of Mr. Ram for assessment year 2025-26:
 - a) Salary ₹ 60,000 pm.
 - b) D.A. ₹ 10,000 pm.
 - c) Entertainment Allowance ₹ 1,000 pm.
 - d) Employer's contribution to Recognised Provident Fund ₹ 88,800. His own contribution was ₹ 88,800.
 - e) Interest @ 10 % p.a. on credit balance of recognized P.F. amounted to ₹ 50,000.
 - f) City compensatory allowance ₹ 500 p.m.
 - g) Medical Allowance ₹ 1,200 p.m.
 - h) He has been provided with a large car for both official and personal use. Employer bears all the expenses of the car.
 - i) He is provided an unfurnished house by the employer in a city (population 12 Lakh). The fair rental value of the house is ₹ 90,000 p.a. Employer charges ₹ 2,000 from him per month as rent.
4. What do you understand by the term 'Annual Value of House Property'? Discuss various provisions regarding determination of the gross annual value.

Section- C

5. What do you mean by Capital Gain in Income Tax? Discuss various provisions regarding computation of Capital Gains.
6. Mr. X, a resident individual, submits the following particulars of his income for previous year 2024-25:

S. No.	Particulars	Amount ₹
1.	Interest (gross) received from an Indian Company on debentures	19,400
2.	Dividend (Net) received from a foreign company after deduction of ₹ 4,500 as tax at source. Nothing has been paid to the Indian Government out of the amount of tax deducted at Source.	19,500
3.	Interest paid on outstanding Loan of ₹ 80,000 taken @15% p.a. to purchase debentures of Indian Company	12,000
4.	Collection charges paid to collect the above interest	350
5.	Rent from building let out along with plant, machinery and furniture	50,000
6.	Depreciation on above assets	800
7.	Fire insurance premium paid:	
	On building	800
	On plant and machinery	500
	On furniture	200
8.	Repairs of building	500
9.	Winning from Horse Race (Gross)	7,000
Compute income from other sources for relevant assessment year.		

Section- D

7. What are the various deductions available from gross total income while computing total income?
8. Compute Net Tax Liability of Mr. S for the Assessment Year 2025-26 from the following:

	Particulars	Amount (₹)
a)	Income from Medical Profession	5,68,000
b)	Income from House Property	38,000
c)	Agricultural Income	15,000
d)	Long Term Capital Gains (15.11.2024)	20,000
e)	Lottery Winning from Assam State	50,000
f)	Life Insurance Premium Paid (Policy Taken In 2011 ₹7 Lakh)	75,000
g)	Income from Card Game	19,000

(For Reappear Candidates (Old Syllabus 2024-25))

Exam Code: 121105

Paper Code: 9503

Programme: Bachelor of Commerce (Semester-V)
Course Title: Direct Tax Law
Course Code: BCRL-5094

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question can be attempted from any Section. Each question carries 16 marks.

Section-A

1. "Income Earned in Previous Year is Taxable in the Assessment Year". What are the exceptions to this rule? (16)
2. What are the different categories into which the assesses are divided with regard to Residence? (16)

Section-B

3. Compute taxable salary for the assessment year relevant to Previous year 2023-24.
A gets Rs. 18,000 per month as salary and dearness allowance at 10 percent of the salary.
He is getting entertainment allowance of Rs. 8,000 p.a. during the previous Year ended 31st March 2024.
He received a bonus of three months' salary.
He is also provided with a rent-free house (furnished) in a town (whose population is less than 4 Lakh) whose fair rent is Rs. 5,000 per month. (16)
4. Define 'Annual Value' and state the deductions that are allowed from the annual value in computing the income from house property. (16)

Section-C

5. What do you mean by the term Capital Gains used in Income Tax Act? What are the rules regarding exemption of Capital Gains? (16)
6. Describe any ten items of income which can be included under the head 'Income from Other Sources' (16)

Section-D

7. What are provisions of law regarding deduction of Tax at source from following income:
 - a) Winning from lottery
 - b) Interest on securities
 - c) Payment of rent
 - d) Dividends(4x4=16)
8. What are the provisions regarding deduction of tax at source under the head 'Income from salaries'? (16)

Exam Code: 121105
(40)

Paper Code: 5188

Programme: Bachelor of Commerce
Semester-V

Course Title: Auditing

Course Code: BCRL-5095

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carries 16 marks.

SECTION-A

- I. What is Auditing? Briefly explain different classes of Audit. (4,12)
- II. What is audit planning? What are the qualities of a good auditor? (6,10)

SECTION-B

- III. Explain in detail the importance and conduct of Internal Audit. (8,8)
- IV. What are the fundamental principles of Internal Check? What is the Internal Check System in accounting for the following:
 - i) Cash Receipts
 - ii) Wages
 - iii) Purchases(4,4,4,4)

SECTION—C

- V. a) What is meant by verification of assets?
b) How would you verify the following assets and liabilities appearing in the balance sheet of limited companies?
 i) Stock in trade
 ii) Sundry Debtors
 iii) Leasehold Property (4,4,4,4)
- VI. Briefly explain the vouching of Cash Transactions. (16)

SECTION-D

- VII. How is the Auditor of a Company appointed? State the provisions of Company Act 2013 regarding the Qualification and Disqualification of an auditor. (8,8)
- VIII. Discuss auditing in EDP Environment and Tax Audit in detail. (8,8)

Exam Code: 121105

Paper Code: 5189

Programme: Bachelor of Commerce (Semester – V)

Course Title: Banking Services Management

Course Code: BCRL-5096 (Opt. – B I)

Time Allowed: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section A

1. Define Banking Services and explain their meaning, nature, and importance in the modern economy.
2. Differentiate between tangible and intangible banking services, giving suitable examples.

Section B

3. Describe the various forms of advances granted by banks.
4. Explain the concept and significance of agricultural and industrial financing in the context of inclusive economic growth.

Section C

5. Explain the Banking Regulation Act, 1949 and the Reserve Bank of India Act, 1934, highlighting their major provisions governing banks in India.
6. Describe the Negotiable Instruments Act, 1881 with reference to endorsement, crossing, payment, and collection of cheques, Also discuss rights of parties to negotiable instruments.

Section D

7. Define E-Banking and explain its features, scope, and advantages in today's digital economy.
8. Explain the concept of service quality measurement in banking and the application of the SERVQUAL model in evaluating customer perceptions.

Exam Code: 1211 05

Paper Code: 5190

Programme: Bachelor of Commerce (Semester: V)

Course Title: Insurance Services Management

Course Code: BCRL-5097 (Opt- B II)

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section-A

Q.1 Write a detail note on organisational structure of life insurance in India?

Q.2 Give note on: a) Define Policy contracts?
 b) Proposal Forms?

Section-B

Q.3 Explain various functions performed by insurance agents?

Q.4 What do you mean by insurance intermediaries? Discuss their role in emerging markets?

Section-C

Q.5 a) What do you mean by Underwriting?
 b) Define Annuity Pension?

Q.6 a) Role of surveyor? b) Premium rate structure?

Section-D

Q.7 Explain these terms: a) Cost Consciousness?
 b) Price behaviour in deregulated market?

Q.8 Discuss various factors which have impact on the demand for insurance?

(For Reappear Candidates (Old Syllabus 2024-25))

Exam Code: 121105

Paper Code: 9502

Bachelor of Commerce (Semester-V)
 Course Title: English (Compulsory)
 Course Code: BCRL-5212

Time Allowed: 3 Hours

Max. Marks: 40

Section-A**I. Attempt any five questions each carrying 2 marks in about 50 words each.****(5x2=10)**

1. Explain what is meant by "Sea of Faith".
2. Who was Ozymandias and what ultimately happened to his statue?
3. What does the poet mean "so soft, so calm, so eloquent" in 'She Walks In Beauty'?
4. Why does Kate want Frank to make Larry's Horoscope?
5. What was Kate's dream? What happens when the dream breaks?
6. Why has Chris invited Ann? How does he force his father to help him in his marriage?

Section-B**II. Attempt any two questions each carrying 5 marks in about 250 words each.****(2x5=10)**

1. Write a detail character sketch of Chris Keller.
2. Why does Kate Keller refuse to believe that her son Larry is dead?
3. Comment on the relationship between Kate and Joe Keller.
4. Write a detail character sketch of Ann Deever.

Section-C**III. Attempt any two questions each carrying 5 marks in about 250 words each.****(2x5=10)**

1. Give a critical appreciation of the poem "The World is Too Much With Us".
2. Bring out the central idea in the poem "In Memoriam".
3. "The Night of the Scorpion" shows a society that is still full of ignorance and superstition. Discuss.
4. The poem 'Dover Beach' deals with spiritual crisis that was come to afflict modern life. Discuss.

Section-D**IV. Attempt any one in about 200 words.****(1x5=05)**

Write a job application letter for the post of an English Teacher in a Govt. School. Write a suitable resume with it.

Or

Write a job application letter for the post of a Senior Superintendent in a Govt. hospital. Write a suitable resume with it.

V. Attempt any one in about 200 words.**(1x5=05)**

Write a formal letter to the chairman of the Municipal Corporation regarding the broken roads in your area.

Or

Write a letter to the Editor of a newspaper expressing your views against drunken driving.

**Exam Code: 121105
(40)**

Paper Code: 5191

**Programme: Bachelor of Commerce
Semester-V**

Course Title: Accounting for Bankers (Honours)

Course Code: BCRL-5628 (Opt-A III)

Time Allowed: 3 Hours

Max Marks: 80

Note Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section A

1. What do you mean by Annuity? What are the different types of annuities and how do you calculate them?
2. Explain the various methods of Capital Budgeting bringing out advantages and disadvantages of each.

Section B

3. What is cash book? What are the different types of cash books? How is it balanced?
4. Discuss the scope of Accounting Standards along with the procedure for formulation of accounting standards.

Section C

5. Give detailed explanation on the treatment of NPAs.
6. Explain the main Provisions governing the preparation of annual account of a banking company. Draw a Performa of profit and loss of a banking company.

Section D

7. What is the difference between 'Receipt and Payment Account' and 'Income and Expenditure Account'? What steps are required for converting 'Receipt and Payment Account' into 'Income and Expenditure Account'?
8. Explain in detail the concept of repossession in case of 'Hire Purchase System' and Evaluation of Lease.

Paper Code: 5219

Programme	Exam Code	Course Code
Bachelor of Science (Fashion Designing)	119605	BFDL-5231 ✓
Bachelor of Vocation (Textile Design and Apparel Technology)	113105	BVTL-5231 ✓

Semester- V
Course Title: Leather Technology
(30)

Time Allowed: 3 Hours**Max Marks: 80**

NOTE:— Attempt five questions, All questions carry equal marks (16 marks), Selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section-A

1. Discuss the story of leather from early man till 19th century? 16
2. Write a brief note on vegan leather and how this is different from animal leather? 16

Section-B

3. Explain care and maintenance of leather products in detail? 16

4. Write a note on nature and scope of Indian leather industry in detail? 16

Section-C

5. Write in detail about Preparatory, Tanning and Crusting stages of leather? 16
6. Discuss in detail about Environmental and Health hazards from the manufacturing of leather? 16

Section-D

7. Illustrate and explain Top grain leather, Corrected grain leather & Bonded leather? 16
8. Discuss the following Finishing process of leather:-
- i) Buffing
 - ii) Boarding
 - iii) Embossing
 - iv) Glazing
- (4x4)

Exam Code: 119605

Paper Code: 5220 -A

Programme: Bachelor of Science (Fashion Designing) Semester V

Course Title: Basics of Sustainable Fashion

Course Code: BFDL-5232

Time Allowed: 3 Hrs

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section - A

Q1. What is the primary distinction between Sustainable Fashion and Fast Fashion, and how do these approaches impact the environment throughout a garment's life cycle?

Q2. How can Life Cycle Assessment inform sustainable material selection and production methods?

Section - B

Q3. Analyze Katharine Hamnett's and Vivienne Westwood's contributions to sustainable fashion. How did their designs and business practices influence the industry's approach to environmental responsibility?

Q4. What role do collaborations (e.g., Nike-Alabama Chanin) play in driving sustainable fashion innovation?

Section - C

Q5. Analyze the role of technology (e.g., digital printing, 3D design) in minimizing textile waste.

Q6. Analyze the collapse of Rana Plaza (2013) as a turning point for fair trade practices in the fashion industry. What regulatory and industry changes ensued, and how have they impacted sourcing and labor standards?

Section - D

Q7. Compare and contrast Recycling and Upcycling in fashion. Provide examples of each practice, discussing their environmental and social implications.

Q8. Discuss the role of natural dyes in sustainable fashion, highlighting environmental benefits and challenges. How can designers incorporate natural dyes into their design process?

Exam Code: 119705

Paper Code: 5170

Programme: Bachelor of Science (Home Science)

Semester – V

Course Title: Basic Nutritional Biochemistry

Course Code: BHSL-5083

Time Allowed: 3 Hours

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section A

1. A) What are monosaccharides? Draw the structure of any two pentose and hexose sugars.
B) Write the structural formula of sucrose and maltose.
C) What are reducing sugars? Draw structure of any one reducing sugar.
(4 +5 +3 marks)
2. Write a note on structural and storage polysaccharides present in plants and animals? (12 marks)

Section B

3. A) What is rancidity of fat? How can we prevent it?
B) What are essential fatty acids? Draw their structures?
C) Define saponification value.
(4+5 +3 marks)
4. Write a note and draw the structure of biologically important triglycerides and phospholipids? (12 marks)

Section C

5. Write a note on TCA cycle? (12 marks)
6. Write a note on
A) Gluconeogenesis B) β -Oxidation of fatty acids (6+6 marks)

Section D

7. Discuss metabolism and regulation of calcium and phosphorus? (12 marks)
8. Write a note on
A) Metabolism of Iron in human body
B) Metabolism of magnesium (7+5 marks)

Exam Code: 119705

Paper Code: 5168

Programme: Bachelor of Science (Home Science) Semester V

Course Title: Child Psychology

Course Code: BHSL-5281 ✓

Time Allowed: 3 Hrs

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section - A

1. Write the factors and aspects affecting memory.
2. What are the main causes of forgetting?

Section - B

3. What are the primary and secondary motives of learning?
4. Discuss the psycho-social theory in detail.

Section - C

5. What Maslow suggested in his theory?
6. Write about the ecological system theory.

Section - D

7. Explain the attachment theory in detail.
8. What is moral development theory?

Exam Code: 119705

Paper Code: 5169

Programme: Bachelor of Science (Home Science)

Semester – V

**Course Title: Introduction to Extension Education and
Community Development**

Course Code: BHSL-5282 ✓

Time Allowed: 3 Hours

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section – A

1. Explain education and its types in detail. Give brief explanation of Extension services in Agriculture Universities?
2. Briefly describe the popular extension activities in India?

Section – B

3. What is the role of extension education in rural development? Also explain the role of extension worker?
4. Explain in detail the fields covered under extension education?

Section – C

5. a) Which techniques should be followed for motivation?
b) How we can motivate the extension workers. Explain with the help of model of motivation?
6. What are the objectives of Community Development and Philosophy behind it?

Section – D

7. Which voluntary organizations are involved in the Community Development? Also explain their role in it?
8. Write notes on the following:
 - a) Minimum need Programme
 - b) Family Planning Programme

Exam Code: 119705

Paper Code: 5174

Programme: Bachelor of Science (Home Science)

Semester: V

Course Title: Applied Botany and Home Gardening

Course Code: BHSM-5077 ✓

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any Section. Each question carries 12 marks. Draw labelled diagrams wherever necessary.

SECTION-A

1. What is the difference between manures and fertilizers? Discuss their importance in the cultivation of plants. (12)
2. Write note on the following (4 marks each):
 - a. Digging
 - b. Tillage
 - c. Weeding(12)

SECTION-B

3. Describe natural methods of vegetative propagation such as bulbs, rhizomes, runners, grafting and tubers. (12)
4. Define the term propagation. Write note on:
 - a. Seed propagation
 - b. Vegetative propagation(12)

SECTION-C

5. Discuss in detail about the planning and cultivation of tomato and potato. (12)
6. Discuss the cultivation of Radish and Brinjal. (12)

SECTION- D

7. What are the general characteristics of algae, fungi, and moulds? (12)
8. Write a detailed note on the care and cultivation of common indoor plants. Mention light, watering, soil, and pest management requirements. (12)

Exam Code: 119705

Paper Code: 5171

Programme: Bachelor of Science (Home Science) Semester V

Course Title: Interior Space Designing

Course Code: BHSM-5284 ✓

Time Allowed: 3 Hrs.

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section A

1. Write about the importance of home environment.
2. Which factors should be considered during designing interiors of a house?

Section B

3. Explain the various types of material used for furniture in a house.
4. Discuss the application of principles of design in furniture arrangement.

Section C

5. Which factors should be kept in mind while planning color schemes for:
 - a) Drawing room
 - b) Bedroom
 - c) Kitchen
 - d) Lobby
6. Briefly explain the application of color wheel in interior designing.

Section D

7. Write in detail about the wood paneling and their care.
8. Briefly discuss about the various types of paints and their suitability.

Exam Code: 119705

Paper Code: 5172

Programme: Bachelor of Science (Home Science) Semester V

Course Title: Therapeutic Nutrition

Course Code: BHSM-5285

Time Allowed: 3 Hrs.

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section-A

1. What are the special feeding methods? Discuss their role in feeding the patients.
2. What is Therapeutic Diet? Discuss various types of hospital diets.

Section-B

3. Explain the etiology, symptoms and dietary management in Irritable Bowel Syndrome.
4. Explain the etiology, symptoms and dietary management in Cirrhosis of Liver.

Section-C

5. What is Hypertension? Discuss the role of DASH diet for its prevention.
6. Explain in detail the etiology and dietary management in Acute Renal Failure.

Section-D

7. Discuss the symptom, etiology and dietary management in Gout.
8. Explain various causes, symptoms and dietary management of food allergy?

Exam Code: 119705

Paper Code: 5173

Programme: Bachelor of Science (Home Science) Semester V

Course Title: Basic Concepts of Sewing and Fashion

Course Code: BHSM-5286

Time Allowed: 3 Hrs.

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section - A

Q1. Explain in detail measuring, marking and cutting equipment used in sewing with diagrams.

Q2. Draw a well labelled diagram of sewing machine and explain all the parts.

Section - B

Q3. Explain with diagrams different types and application of pleats, tucks and gathers.

Q4. Explain different types of pockets and neck finishes with diagrams.

Section - C

Q5. Explain different types and uses of collars and yokes with diagrams.

Q6. Explain high fashion, mass fashion, classic and fad with examples.

Section - D

Q7. What do you mean by fashion trends and fashion cycle? Explain its importance.

Q8. What are the different sources of fashion? Explain fashion forecasting, fashion show and its types.

Exam Code: 118005

Paper Code: 5200

Programme: Bachelor of Science (Information
Technology) Semester – V

Course Title: Data Structure

Course Code: BITL-5111

Time Allowed: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

Section-A

Q-1 Discuss Algorithm Complexity along with Big O Notation.

Q-2 Explain Binary Search in detail by taking an example.

Section-B

Q-3 Explain the term hashing and explain different collision resolution techniques.

Q-4 What is a Linked List? Explain singly, doubly and circular linked lists with proper diagrams and operations (insertion and deletion).

Section-C

Q-5 Explain the concept of Stack in detail. Describe its representation in memory and various operations that can be performed on it. Write algorithms for Push and Pop operations. Also, discuss how stacks are used for converting an arithmetic expression from infix to postfix notation with an example.

Q-6 What is a Queue? Explain the implementation of a queue in memory using an array. Differentiate between simple queues, circular queues, and priority queues. Write algorithms for insertion and deletion operations in a circular queue.

Section-D

Q-7. Define a Binary Search Tree (BST). Discuss the process of insertion and deletion of nodes in a BST with suitable examples. Write algorithms for inorder, preorder, and postorder traversals of a binary tree.

Q-8 .What is a Graph? Explain various ways of representing graphs in memory, including Adjacency Matrix and Adjacency List. Describe the Depth First Search (DFS) and Breadth First Search (BFS) algorithms with examples and discuss their applications.

Exam Code: 118005
(30)

Paper Code: 5201

Programme: Bachelor of Science (Information Technology)
Semester-V

Course Title: Web Technologies

Course Code: BITL-5112 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt FIVE questions, selecting at least one question from each section. The fifth question may be attempted from any section. All question carries equal marks. (16 each)

Section A

1. What is JavaScript? Explain its features, advantages and limitations.
2. What is a method? How HTML and CSS pages are accessed through methods? Give examples.

Section B

3. What s client and server side scripting? Explain with examples.
4. How will you create class, object and constructor in PHP? Give examples.

Section C

5. What is an XML? Explain concept of parsing in XML with examples.
6. Explain in details the terms: AJAX, JQUERY and REST.

Section D

7. Explain the concept of session handling and pagination.
8. Create a form for "online admission" and apply suitable validations.

Exam Code: 118005

Paper Code: 5202

Programme: Bachelor of Science (Information Technology)

Semester V

Course Title: Knowledge Management

Course Code: BITL-5114

Time Allowed: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 16 marks.

SECTION – A

- Q.1. Explain multi-disciplinary nature of Knowledge Management. (16)
Q.2. Discuss in detail the Integrated Knowledge Management Cycle. (16)

SECTION – B

- Q.3. Explain Knowledge acquisition and conversion. (16)
Q.4. Discuss Knowledge application with communities of practice. (16)

SECTION – C

- Q.5. What do you know about Electronic Performance Support Systems. (16)
Q.6. Explain Knowledge application at Individual level. (16)

SECTION – D

- Q.7. Explain in detail the Knowledge Management Tools. (16)
Q.8. What role does Social Bookmarking play in Knowledge Management Process? (16)

Exam Code: 116405

Paper Code: 5139

**Programme: Bachelor of Arts (Journalism and Mass
Communication) Semester - V**

Course Title: Event Management: Principles and Methods

Course Code: BJML- 5311 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section A

1. What is the scope of event management? Provide one example of an online and one example of an offline event.
2. Explain the concept of a clean zone in event management.

Section B

3. What are the advantages of an exhibition over other promotional devices?
4. Briefly describe the role & importance of exhibitions in achieving a business's marketing goals.

Section C

5. What is PR for an exhibition? Give one example of a PR activity for an event.
6. List two important factors to consider when choosing the right exhibition in which to participate.

Section D

7. What are the Uses and Abuses of a Trade Fair?
8. Define Print & Display material for an event. Name two common types of such material.

Exam Code: 116405

Paper Code: 5140

Programme: Bachelor of Arts (Journalism and Mass
Communication) Semester – V

Course Title: Current Affairs: Contemporary Issue in
Media- I

Course Code: BJML- 5312

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section A

1. Discuss in detail the problem of drug abuse of Punjab and various socio-economic factors that contributes to this problem?
2. Analyse the economic situation of India in the context of current tariff on India.

Section B

3. Write a detailed note on the current education scenario of Punjab?
4. Describe in detail India's strategic ties with Russia.

Section C

5. Write a detailed note on G-20 and its significance in today's world?
6. Explain in detail the role and functions of WHO.

Section D

7. What role does FICCI play in Indian industry sector?
8. Write short notes on:
i NSG
ii RBI

Exam Code: 116405

Paper Code: 5141

**Programme: Bachelor of Arts (Journalism and Mass
Communication) Semester-V**

Course Title: Media Research Methodologies

Course Code: BJML-5313 ✓

Time: 3 Hours

Max. Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 16 marks.

Section – A

1. Explain the Selection and Formulation of research problem. Define Hypothesis.
2. Discuss Sampling and explain various types of probability and non-probability sampling.

Section – B

3. Enumerate the Survey method with examples.
4. How do you conduct a readership survey give examples.

Section – C

5. Explain how do you collect the Socio -Economic data and analyse it?
6. Discuss about Participation Observation method and explain the advantages and disadvantages of participant observation method and non-participant observation method.

Section – D

7. Explain how will you Interpret the data and will write the findings.
8. Define the concepts of Monitoring, Feed-back, Viewership, Measuring impact

Exam Code: 116405

Paper Code: 5142

**Programme: Bachelor of Arts (Journalism and Mass
Communication) Semester – V**

Course Title: Social Media

Course Code: BJML- 5314 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section A

1. Explain the concept of Social Media and its unique significance for developing nations.
2. Analyse the impact of Social Media on the society.

Section B

3. Examine the unique features and advantages of live streaming that makes it more effective.
4. Analyse the role of Wikipedia within the modern media landscape.

Section C

5. How effectively can traditional media outlets utilize social media for marketing and information dissemination?
6. Write a detailed note on the uses & abuses of social media.

Section D

7. How social media acts as a primary source of information for professional journalists.
8. Evaluate the power of Citizen Journalism in today's media landscape.

Exam Code: 116405

Paper Code: 5143

Programme: Bachelor of Arts (Journalism and
Mass Communication) Semester – V

Course Title: Public Relations

Course Code: BJML- 5315 ✓

Time Allowed: 3 Hours

Max Marks: 80

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries sixteen marks.

Section A

1. Define Public Relations and its importance in any organisation. Discuss the functions of a PRO. 8+8
2. How Public Relations may be considered different from marketing communication and advertising? Give your views. 16

Section B

3. Note down the different functions carried out by the PR department of an organisation. Give examples. 16
4. What is PR process? Explain in detail. 4+12

Section C

5. Give a broad note on employee relations with examples. 16
6. Write down a News Release on any topic of your choice. 16

Section D

7. Explain the importance of market research for a PR practitioner. 16
8. What is Exhibition PR? Explain its importance in detail. 4+12

Exam Code: 121305

Paper Code: 5157

Programme: Bachelor of Science (Semester – V)

Course Title: Botany (Plant Physiology)

Course Code: BSMM-5075 (I)

Time Allowed: 3 Hours

Max Marks: 40

Note: Attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section.

Section-I

- Que 1 a. Describe the structure and physiological mechanism of stomatal movement. 4
- b. Briefly explain the processes of diffusion and osmosis with suitable examples? 4
- Que 2 Discuss the following: - 4+4
- a. deficiency and toxicity symptoms of mineral
- b. importance of water to plant life

Section-II

- Que 3 Writes a short note on: -
- a) Seed germination and factors 4
- b) Biological clock 2
- c) Physiology of flowering 2
- Que 4 Define growth in plants and discuss the different phases involved in the kinetics of plant growth? 8

Section-III

- Que 5 Describe the:-
- a. Action and Absorption spectra b. Photorespiration 4+4
- Que 6 Explain the steps of the C₄ pathway in carbon fixation, and illustrate the process with a neatly labelled diagram? 8

Section-IV

- Que 7 Discuss the physiological role and mechanism of action of: -
- a) Gibberellins 3
- b) Absciscic Acid 3
- c) Salicylic acid 2
- Que 8 What is phytochromes and crypto chromes? Describe their physiological role and mechanism of action? 8

Exam Code: 121305

Paper Code: 5158

Programme: Bachelor of Science (Semester – V)

Course Title: Botany (Biochemistry and Biotechnology)

Course Code: BSMM-5075 (II)

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks.

Section A

1. Describe in detail the major characteristics of enzymes. Explain the mechanism of enzyme action and discuss the different modes of regulation of enzyme activity. (12)
2. Write explanatory notes on the following:
a. Kreb's cycle b. Pentose phosphate pathway (6+6)

Section B

3. Write short notes on the following:
a. Process of nitrogen fixation in plants. (5)
b. Role and regulation of nitrate reductase. (4)
c. Ammonium assimilated in plants. (3)
4. Answer the following:
a. Explain the process of fatty acid biosynthesis. (6)
b. Write short notes on β -oxidation of fatty acids. (6)

Section C

5. Answer the following:
a. Describe the major tools and techniques of recombinant DNA technology. (6)
b. Write short notes on cloning vectors and their types. (6)
6. Answer the following:
a. What are genomic and cDNA libraries? Compare their uses. (6)
b. Explain the role of transposable elements in genetic engineering. (6)

Section D

7. Write short notes on the following:
a. Define plant biotechnology and explain the concept of cellular totipotency. (4)
b. Differentiate between differentiation and morphogenesis in tissue culture. (4)
c. Explain the biology of Agrobacterium in gene transfer. (4)
8. Write a note on:
a. Vectors for gene delivery in plant biotechnology. (6)
b. Salient achievements in crop biotechnology with examples. (6)

Paper Code: 5155

Programme	Exam Code	Course Code
Bachelor of Science (Medical)	121305	BSMM-5084 (I)
Bachelor of Science (Non-Medical)	121305	BSNM-5084 (I)

Semester- V

Course Title: Chemistry (Inorganic Chemistry)
(40)

Time Allowed: 3 Hours**Max Marks: 40**

Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carries 8 marks.

Section-A

- (a) What do you mean by crystal field "splitting energy? Compare the crystal field splitting energy of octahedral and tetrahedral complexes along with suitable reason. 5

(b) Outline the limitations of valence bond theory. 3
- (a) Describe the postulates of crystal field theory. Explain and show diagrammatically the crystal field splitting in octahedral complexes. 5

- (b) How does crystal field splitting depend on the nature of ligand? 3

Section B

3. (a) Explain in detail the mechanism of substitution reactions of square planar complexes. Also, discuss the role of solvent in these reactions. 5
(b) Calculate the spin only magnetic moment of Ti^{2+} and Co^{2+} ions. 3
4. (a) What do you mean by orbital contribution to magnetic moment? Under what conditions do the electrons generate the orbital magnetic moment. 5
(b) Write a short note on L-S coupling. 3

Section-C

5. (a) Discuss different types of electronic transitions along with suitable examples. 5
(b) Draw the Orgel diagram for d^2 system in octahedral and tetrahedral fields. 3
6. (a) What are term symbols? Determine the term symbols for d^2 system. 5
(b) Write the spectroscopic ground state for d^5 and d^7 electronic configuration. 3

Section-D

7. (a) Discuss the preparation, properties and applications of alkyls and aryls of aluminium. 5
(b) Define EAN rule. Show whether $\text{Cr}(\text{CO})_6$ and ferrocene follow the EAN rule or not. 3
8. (a) Describe the bonding in metal ethylene complexes with special reference to Zeise salt. Also, discuss the role of back bonding in such complexes. 5
(b) Classify the organometallic compounds on the basis of hapticity of ligands. Give suitable examples. 3

Paper Code: 5156

Programme	Exam Code	Course Code
Bachelor of Science (Medical)	121305	BSMM-5084 (II)
Bachelor of Science (Non-Medical)		BSNM-5084 (II)

Semester-V

**Course Title Chemistry (Physical Chemistry)
(40)**

Time Allowed: 3 Hours

Max Marks: 60

NOTE:- Attempt five questions selecting at least one question from each section. The fifth question may be attempted from any section. Each question of 12 marks.

Section - A

- (a) Differentiate between strong and weak electrolytes with examples. Discuss the variation of their conductance with dilution graphically. 6

(b) The specific conductivity of N/50 KCl solution at 25°C are $2.768 \times 10^{-1} \Omega^{-1} \text{ m}^{-1}$. The resistance of this solution when placed in conductivity cell is measured to be 444.4 Ω . The same cell containing 0.001 N CH_3COOH has resistance of 25000 Ω . Calculate degree of dissociation of 0.001 N CH_3COOH at 25°C, if $[\lambda]_0$ for CH_3COONa , HCl and NaCl are 0.00785, 0.03805 and $0.0109 \Omega^{-1} \text{ m}^2 \text{ geq}^{-1}$ respectively. 6

2. (a) Derive Nernst equation for the determination of EMF of an electrochemical cell. 6
 (b) What are Reversible Electrodes? Discuss briefly the various types of Reversible Electrodes. 6

Section - B

3. (a) What are concentration Cells? Discuss its various types. Derive an expression for the EMF of concentration cell without transference. 6
 (b) What is Glass Electrode? How can it be used for measuring pH of a solution? 6
 4. Give its advantages. 9
 4→ (2) Differentiate between following:
 (i) Nuclear reactions and Chemical reactions
 (ii) Natural and Artificial Radioactivity
 (iii) Nuclear fusion and Nuclear fission.
 (b) How many α and β particles are emitted when $^{238}_{92}\text{U}$ changes into $^{226}_{88}\text{Ra}$. 3

Section - C

5. (a) Discuss Born Oppenheimer approximation along with the diagram of electronic, vibrational and rotational levels showing transitions between them. 6
 (b) How will you determine bond length from microwave spectra? Explain by taking example. 6

6. (a) What is an electromagnetic spectrum? Discuss the basic features of different Spectrometers. 6
- (b) The spacing between lines in the rotational spectrum of HF molecule is 42 cm^{-1} . Calculate the moment of inertia and bond length in HF. 6

Section – D

7. (a) Discuss P, Q and R branches of a Rotational – Vibrational spectra of a diatomic molecule. 8
- (b) Explain why electronic spectrum constitute band instead of sharp peak. 4
8. (a) Differentiate between Stoke's lines and Anti Stoke's lines 4
- (b) State Franck-Condon Principle. Discuss briefly various types of electronic transitions in different Molecular orbitals. 8

Exam Code: 121305

Paper Code: 5159

Programme: Bachelor of Science Semester V

Course Title: Food Science and Quality Control (Vocational)

(Food Analysis)

Course Code: BSMM-5255

Time Allowed: 3 Hrs

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question can be attempted from any section. Each question carries 12 marks. Draw diagrams wherever required.

Section - A

Q1) a) Write a comprehensive note on micronutrients present in food and their role in maintaining health.

b) Explain the working principle of following methods:-

(i) Kjeldhal method for protein estimation

(ii) Soxhlet method for fat estimation

Q2) Discuss the impact of following food processing techniques on the retention of major vitamins and minerals present in foods:

a) Canning

b) Freezing

c) Fermentation

Section - B

Q3) Explain the principle of Atomic Emission Spectroscopy and highlight the key components of it and describe its role in quantifying metal elements in food matrices.

Q4) Explain how does the 2,6 dichlorophenol indophenols (DCPIP) spectrophotometric method work for determining the vitamin C content in fruit juices and what are advantages and disadvantages.

Section - C

Q5) a) Define refractometry. Explain the role of refractometry in assessing the quality of honey and fruit juices.

b) Explain the working principle of following viscometers:-

(i) Rotational viscometer

(ii) Capillary viscometer

Q6) a) What is polarimetry and explain its working as an analytical technique in determining authenticity and quality of food products like honey.

b) What is food rheology? Discuss the working principle of vibrational viscometer and its application in food rheology.

Section - D

Q7) Describe the significance of gas chromatography in food analysis. Explain how factors like column type, temperature and carrier gas flow rate do affect the resolution and separation efficiency in gas chromatography?

Q8) Write a brief note on chromatography as analytical technique. Describe its working principle and various types of detectors, columns used in HPLC.

Exam Code: 121305

Paper Code: 5154

Programme: Bachelor of Science Semester V

Course Title: Microbiology (Applied Microbiology-I)

Course Code: BSMM-5343

Time Allowed: 3 Hrs

Max. Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question can be attempted from any section. Each question carries 12 marks.

Section - A

- Q1) a. Discuss the scope of industrial microbiology in the field of biotechnology and industrial production? 6
b. Explain the essential characteristics of industrial microorganisms, and why are they important? 6
Q2) a. Identify the common natural habitats of industrial microorganisms and explain their significance. 6
b. What are the key challenges in maintaining and preserving industrial microbial strains over time? 6

Section - B

- Q3) a. What is secondary screening, and how does it help in selecting industrially valuable microorganisms? 6
b. Explain the techniques used to isolate industrially important yeast strains. 6
Q4) a. What raw materials are commonly used in fermentation media, and why are they important? 6
b. Discuss the challenges associated with screening microorganisms for industrial use? 6

Section - C

- Q5) a. What are the characteristics of continuous fermentation, and how does it differ from batch fermentation? 6
b. Describe the basic structure of an industrial fermenter. 6

- Q6) a. Explain how aseptic conditions are maintained in industrial fermentation. 6
- b. How is fermentation economics impacted by recovery and purification costs? 6

Section - D

- Q7) a. What are the general principles of downstream processing in the recovery and purification of fermentation products? 6
- b. Discuss the process of foam separation used in downstream processing, and what types of fermentation products benefit from this method? 6
- Q8) a. Describe the principle and process of filtration in separating fermentation products from microbial cultures. 6
- b. What is a patent, and how does it protect the rights of inventors? 6

Exam Code: 121305

Paper Code: 5152

Programme: Bachelor of Science (Semester - V)

Course Title: Zoology (Developmental Biology)

Course Code: BSMM-5483 (I)

Time Allowed: 3 Hours

Max Marks: 60

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 12 marks. Draw diagrams wherever necessary.

Section A

1. Write notes on
 a) Vitellogenesis b) Acrosome Reaction **6+6**
2. Describe haploid & diploid parthenogenesis with suitable examples & illustrations. **12**

Section B

3. What are formative movements that occur during the process of Gastrulation? **12**
4. Explain mechanism of Induction. How the phenomenon of induction can be shown experimentally? **12**

Section C

5. Write in detail about the metamorphosis in frog with well labelled diagrams. **12**
6. Explain development of Chick up to three germinal layers. **12**

Section D

7. Describe different types of placenta and also elaborate their function. **12**
8. Explain the embryonic development upto three germ layers in Rabbit. **12**

Exam Code: 121305

Paper Code: 5153

Programme: Bachelor of Science (Semester - V)

Course Title: Zoology (Genetics)

Course Code: BSMM-5483 (II)

Time Allowed: 3 Hours

Max Marks: 40

Note: Attempt five questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. Each question carries 8 marks. Draw diagrams wherever necessary.

Section - A

1. (a) Discuss Recessive Epistasis, with the help of suitable illustration. (4)
(b) Explain Incomplete Dominance. (2)
(c) Briefly explain lethal factors. (2)
2. (a) Explain multiple Alleles with the help of Blood Group inheritance. (3)
(b) What are Pseudo alleles? (1.5)
(c) Briefly explain Cytological basis of Crossing – Over. (3.5)

Section - B

3. Explain the following:
(a) Transcription of DNA (b) Types of RNA (5+3)
4. (a) In detail explain Protein Synthesis in Prokaryotes. (6)
(b) Write a note on Wobble Hypothesis. (2)

Section - C

5. (a) Explain CIB method of detection of mutation in Drosophila. (4)
(b) Write a note on inborn errors in metabolism. (4)
6. (a) Explain regulation of Gene expression in Prokaryotes (Operon Model). (5)
(b) Extra nuclear inheritance in Mirabilis Jalapa. (3)

Section - D

7. Write short notes on:
(a) Hardy-Weinberg law (b) Transformation in Bacteria
(c) Plasmids (3+3+2)
8. (a) Explain method of Recombinant DNA Technology. Give its application in applied genetics (6)
(b) Give the application of gene cloning in Agriculture. (2)

Paper Code: 5160

Programme	Exam Code	Course Code
Bachelor of Science (Non- Medical)	121305	BSNM-5395 (I)
Bachelor of Science (Computer Science)	121305	BCSM-5395 (I)

Semester- V

Course Title: Physics (Condensed Matter Physics)
(30)

Time Allowed: 3 Hours**Max Marks: 60**

Note:- Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carries 12 marks.

Students can use Non-Scientific calculators or logarithmic tables.

Section A

- (a) Determine the interplaner spacing between two parallel planes with miller indices $[hkl]$ in a cubic crystal of side " a ". (8)
(b) One of the planes of the crystal is found to make intercepts of $2a$ and $3b$ with x -axis and y axis respectively. What will be miller indices if it is parallel to Z -axis? (4)

2. What are symmetry operations? Describe the principle symmetry operations applicable to three dimensional lattice. Show that the five-fold rotational axis is not permissible in case of lattices. (12)

Section B

3. Obtain Laue's equation for X-ray diffraction by crystals. Derive Bragg's diffraction condition from them. (12)
4. (a) Discuss how the concept of reciprocal lattice helps in the Ewald's construction and determination of crystal structure. (8)
(b) For a bcc crystal [110] planes have a separation of $1.181 \text{ \AA}$. If the planes are irradiated by X-rays of wavelength $1.54 \text{ \AA}$, find the number of orders of Bragg's reflection that are possible. (4)

Section C

5. What are phonons? Discuss the inelastic scattering of photons by phonons and obtain an expression for the frequency of photons emitted in the process. (12)
6. Discuss the Debye model of lattice heat capacity and using it explain Dulong and Petit's law. (12)

Section D

7. Discuss Kronig —Penney model for electron energy in solids and show how it explains the forbidden bands. (12)

8. Obtain expression for Fermi energy, the total energy and density of states for a free electron gas in one dimensional. Show the variation of density of states with energy. (12)

Paper Code: 5161

Programme	Exam Code	Course Code
Bachelor of Science (Non- Medical)	121305	BSNM-5395 (II)
Bachelor of Science (Computer Science)	121305	BCSM-5395 (II)

Semester- V
Course Title: Physics (Electronics)
(30)

Time Allowed: 3 Hours**Max Marks: 40**

Attempt five questions in all, selecting one question from each section. Fifth question can be attempted from any section. Each question carries 8 Marks. Use of Non-scientific calculator is allowed.

Section —A

1. Discuss and draw the I-V characteristics of p-n junction and also obtain the expression for static and dynamic resistance from the diode circuit. 8
2. Which gate is Universal gate. Construction of gates with the help of Universal gate. 8

Section —B

3. Draw a circuit diagram of p-n-p transistor in CB mode for drawing output characteristics curves. Explain how

the two constants of the transistors can be obtained from these curves. 8

4. Draw the characteristics of n-channel JFET. What is pinch-off voltage? 8

Section — C

5. Draw a circuit of Common emitter amplifier and its h-equivalent. Find expression for its current gain, power gain and input resistance. 8
6. Explain the principle and working of feedback amplifier. Find the expression for the voltage gain with feedback. 8

Section — D

7. Describe the operation from the circuit diagram of a tuned collector oscillator. Derive its condition for sustained oscillations. 8
8. (a) Why a tank circuit once excited does not produce sustained oscillations? State and prove Barkhausen Criterion for sustained oscillations. 4
(b) A phase shift oscillator consist of three RC sections in the feedback circuit. If in each section R is $250\text{ k}\Omega$, $C = 0.05\text{ }\mu\text{F}$, Calculate the frequency of oscillations. 4