Exam Code: 508305
(70)

Paper Code: 5180

Programme: Master of Commerce (FYIP)
Semester-V
Course Title: Management Accounting

Course Code: FCOL-5091

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 Management Accounting? Differentiate between Financial Accounting and Management Accounting. (4,12)
2. Following are the Balance sheets of A Ltd as at 31.03.2021 and 2020. Prepare a Comparative Balance Sheet and Study the Financial Position of A Ltd. (16)

Particular	31-03.2021 (Rs. in Thousands)	31.03.2020 (Rs. in Thousands)
I. Equity and Liabilities:		
1. Shareholders' Funds:		
a) Share Capital	800	600
b) Reserve and Surplus	222	330
2. Non-Current Liabilities		
a) Debentures	300	200
b) Long-term Loans on Mortgage	200	150
3. Current Liabilities:		
a) Trade Payables		
Bills Payable	45	50
Sundry Creditors	120	100
b) Other Current Liabilities	10	05
Total	1697	1435
II. Assets		
1.Non-Current Assets:		
Fixed Assets (Tangible):		
Land and Building	270	370
Plant and Machinery	600	400
Furniture and Fixtures	25	20
Other Fixed Assets	30	25
2. Current Assets:		
a) Inventory (Stock)	350	250
b) Trade Receivable		
Bills Receivables	90	150
S. Debtors	250	200
c) Cash in hand and at Bank	80	20
d) Other Current Assets (Prepaid Exp.)	2	-
Total	1697	1435

Section- B

3. The following information is given about M/s S.P. Ltd. For the year ending March 31, 2021:

1.	Inventory turnover ratio	6 times
2.	GP Ratio	20% on Sales or (revenue)
3.	Revenue (Sales) for the year ended 31-3-2021	₹3,00,000/-
4.	Closing Inventory Rs. 10,000 more than opening inventory	
5.	Opening Trade Payables	₹ 20,000/-
6.	Closing Trade Payables	₹30,000/-
7.	Trade Receivables at the end	₹ 60,000/-
8.	Net Working Capital	₹50,000/-

Find Out:

Average Inventory	Average Payment Period
Purchases	Average Collection Period
Payables Turnover Ratio	Working Capital Turnover Ratio

(16)

4. From the following Balance sheet of Cuttack Ltd., Prepare a Schedule of Change in Working Capital and a Fund Flow Statement:

Particilars	31.03.2021 (₹)	31.03.2021 (₹)
I. Equity and Liabilities:		
Shareholders' Funds:		
Equity Share Capital	4,00,000	3,00,000
Reserve and Surplus:		
General Reserve	70,000	40,000
Profit and Loss Balance	48,000	30,000
Non-Current Liabilities		
12% Debentures	1,00,000	1,50,000
Current Liabilities:		
Trade Payables		60,000
-Creditors	80,000	15,000
-Bills Payable	19,000	
Total	7,17,000	5,95,000
II. Assets		
Non-Current Assets:		
Fixed Assets (Tangible):		
Buildings	1,20,000	1,60,000
Plant and Machinery	2,00,000	80,000
Intangible Assets		
Goodwill	40,000	72,000
Current Assets:		
Debtors	2,85,000	2,20,000
Bills Receivable	24,000	18,000
Inventories (Stock)	30,000	20,000
Cash and Bank	18,000	25,000
Total	7,17, 000	5,95,000

Depreciation Charged on Plant and Machinery was? ₹ 20,000 and on Building ₹ 40,000

(16)

Section- C

5. "Marginal Costing is essentially a technique of Cost Analysis and Cost Presentation" Discuss the statement with reference to the applications, merits and demerits of marginal costing. (6,5,5)

6. The following data are available from the records of a company:

	₹
Sales	60,000
Variable Cost	30,000
Fixed Cost	15,000

You are required to:

1. Calculate the P/V Ratio, Break Even and Margin of Safety at this level.
2. Calculate the effect of 10% increase in sale price.
3. Calculate the effect of 10% decrease in sale price. (16)

Section- D

7. Explain Transfer pricing and various methods of Transfer pricing? (16)
8. What do you mean by Responsibility Accounting? Briefly explain various Responsibility centres? (8,8)

Exam Code: 508305 **Paper Code: 5181**

Programme: Master of Commerce (FYIP) Semester V

Course Title: Income Tax

Course Code: FCOL-5092

Time Allowed: 3 Hours **Max 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. Simple calculator is allowed.

SECTION A

1. Define Income Tax as per the Income Tax Act, 1961.Discuss its nature and scope. (16 marks)

2. How is the residential status of an individual determined for computing his tax liability? Explain the incidence of residence on tax liability. (16 marks)

SECTION B

3. Explain the Provisions relating to Business and profession in detail. (16 marks)

4. From the following information compute taxable income from salaries of Mr. Ramesh for the assessment year 2025-26
   - I. Basic Salary ₹ 50,000 p.m.
   - II. Dearness allowance 30% of basic salary.
   - III. Telephone allowance ₹ 500 p.m.
   - IV. Medical insurance premium paid by the employer on the health of employee ₹ 4000.
   - V. Employer provided the facility of laptop costing ₹ 60,000 and computer costing ₹ 40,000 for personal use.
   - VI. Salary of house-keeper reimbursed by employer ₹ 24,000.

VII. Mr. Ramesh paid employment tax ₹ 2,000.

(16 marks)

SECTION C

5. Describe any ten items of incomes which can be included under the head "Income from other sources". (16 marks)

6. Mr. A is the owner of a house at Agra, particulars in respect of which for the year ended 31st March, 2025 are as below:

S.No.	Particulars	Amount (₹)
1.	Actual rent received	4,500
2.	Municipal Valuation	4,200
3.	Total Municipal tax	630
4.	Municipal tax paid by Mr. A	420
5.	Municipal tax paid by the tenant	210
6.	Interest on loan is taken for renewing the house	150
7.	Unrealised rent allowed in the Assessment Year 2021-22 recovered during the year	2,000

Compute Mr. A's Income from House Property for the Assessment Year 2025-26. (16 marks)

SECTION D

7. Discuss the major deductions an individual can claim from taxable income under the Income Tax Act. (16 marks)
8. What do you mean by Deduction of Tax at Source? Discuss in detail. (16 marks)

Exam Code: 508305 **Paper Code: 5182**
(70)

Programme: Master of Commerce (FYIP)
Semester-V

Course Title: Operations Research

Course Code: FCOL-5093

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 is Operations Research? Briefly explain its methodology and techniques. (4,6,6)
2. Solve the following LPP

   Maximise $Z = 20X_1 + 10X_2$

   Subject to :

   $X_1 + X_2 = 150$

   $X_1 \leq 40$

   $X_2 \geq 20$ Where $x_1, x_2 \geq 0$ (16)

SECTION-B

3. A manufacturer must produce a product in sufficient quantity to meet contractual sales in next four months. The production capacity and unit cost of production vary from month to month. The product produces in

one month may be held for sale in later months but at an estimated storage cost of Rs. 1 per month. No storage cost is incurred for goods sold in the same month in which they are produced. There is no opening inventory and none is desired at the end of four months. The necessary details are given in the following table:

Months	Contracted Sales	Maximum Production	Unit Cost of Production
1	20	40	14
2	30	50	16
3	50	30	15
4	40	50	17

How should the manufacturer produce each month to minimize the total cost? (16)

4. ABC has five plants each of which can manufacture any of the five products. Production costs and sales revenue differ from plant to plant. Which plant should produce which product so as to maximize the profits.

Sales Revenue (Rs.)

Product

Plant		1	2	3	4	5
	A	65	78	83	60	95
	B	85	52	59	44	73
	C	83	56	69	64	78
	D	49	80	85	84	73
	E	59	68	83	74	83

Production Cost (Rs.)

Product

Plant

	1	**2**	**3**	**4**	**5**
A	33	40	43	32	45
B	45	28	31	23	37
C	42	29	36	29	41
D	27	42	44	38	37
E	30	35	43	39	44

(16)

SECTION-C

5. Solve the following Sequencing problem:

Tasks	**Machine I**	**Machine II**	**Machine III**
A	3	4	6
B	8	3	7
C	7	2	5
D	4	5	11
E	9	1	5
F	8	4	6
G	7	3	12

(16)

6. Solve the following game :

A \ B	1	2	3	4	5
1	-5	5	0	-1	8
2	8	-4	-1	6	-5

(16)

SECTION D

7. What is Queuing Theory? Explain the MMI Model of Queuing Theory. (6,10)
8. The following are the activity timings in a project network:

Activity	Optimistic Time	Pessimistic Time	Most Likely Time
1-2	1	7	1
1-3	1	7	4
1-4	2	8	2
2-5	1	1	1
3-5	2	14	5
4-6	2	8	5
5-6	3	15	6

(i) Draw the network diagram.

(ii) Find the expected project completion time.

(iii) Calculate the floats of the activities.

(iv) What is the probability of completing the project

a. 4 weeks later than the expected time.

b. 4 weeks earlier than the expected time

(4,4,4,4)

Exam Code: 508305 **Paper Code: 5183**
(70)

Programme: Master of Commerce (FYIP)
Semester-V

Course Title: Financial Management

Course Code: FCOL-5094

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 carries equal (16) marks.

Section A

1. (a) "A rational human being has a time preference for money". What are the reasons for such a preference?
   (b) A company is proposing to issue a 5 year debenture of Rs. 1,000 redeemable in equal instalments at 14% rate of interest per annum. If an investor has a minimum required rate of return of 12%, calculate the debenture's present value for him. What should he be willing to pay now to purchase the debenture?
2. What is the relationship between risk and return? How can risk of an asset be measured? Also explain different types of risk?

Section B

3. What do you understand by capital budgeting process? Explain different methods of capital budgeting under risk and uncertainty.
4. M/s Albert & co. has the following capital structure as on 31st December, 2020:

	Rs.
10% Debentures	3,00,000
9% Preference Shares	2,00,000
Equity- 5,000 of Rs. 100 each	5,00,000,
Total	10,00,000

The equity shares of the company are quoted at Rs. 102 and the company is expected to declare a dividend of Rs. 9 per share for 2020. The company has registered a dividend growth rate of 5% which is expected to be maintained.

(i) Assuming the tax rate applicable to the company at 50%, calculate the weighted average cost of capital. State your assumptions, if any.

(ii) Assuming, in the above problem, that the company can raise additional term loan at 12% for Rs. 5,00,000 to finance an expansion, calculate the revised weighted cost of capital. The company's assessment is that it will be in a position to increase the dividend from Rs. 9 per share to Rs. 10 per share, but the business risk associated with new financing may bring down the market price from Rs. 102 to Rs. 96 per share.

Section C

5. Companies X and Y are identical in all respects including risk factors except for debt/equity,. X having issued 10% debentures of Rs. 10 lakhs while Y has issued only equity. Both the companies earn 20% before interest and taxes on their total assets of Rs. 30 lakhs.
   Assuming a tax rate of 50% and capitalisation rate of 15% for an all-equity company, compute the value of companies X and Y using
   (i) Net income approach
   (ii) Net operating income approach.
6. Discuss various types of dividends. Enlist the determinants of dividend policy of a firm.

Section D

7. From the following information, prepare a statement showing the working capital requirements:

Budgeted Sales	Rs. 2,60,000 per annum
Analysis of one rupee of sales:	Rs.
Raw material	0.30
Direct Labour	0.40
Overheads	0.20
Total Cost	0.90
Profit	0.10
Sales	1.00

It is estimated that:

1) Raw materials are carried in stock for 3 weeks and finished goods for 2 weeks.

2) Factory processing will take 3 weeks and it may be assumed to be consisting of 100% of raw materials, Wages and overheads.

3) Suppliers will give 5 weeks' credit.

4) Customers will require 8 weeks' credit.

8. What do you mean by cash management? Discuss Baumol and Miller Orr models of cash management.

Exam Code: 508305 **Paper Code: 5184**
(70)

Programme: Master of Commerce (FYIP)
Semester-V

Course Title: Human Resource Management

Course Code: FCOL-5095

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

Note: Attempt 5 questions, selecting at least 1 question from each section. The fifth question may be attempted from any section. Each question carries equal (16) marks.

Section-A

1. Define Human Resource Management. Explain the functions of HRM in detail.
2. Discuss the process of Human Resource Planning.

Section-B

3. Explain the methods and problems of Job Analysis.
4. Difference between Recruitment and Selection? Explain the sources and techniques of Recruitment.

Section-C

5. Explain the need and process of Training and Development Programme.

6. Discuss the strategy and designing of training and development and explain the levels of training evaluation.

Section-D

7. Explain factors and challenges of employee remuneration.
8. Discuss the methods and techniques of Performance Appraisal.

Exam Code: 508305 Paper Code: 5185

Programme: Master of Commerce (FYIP)

Semester: V

Course Title: Production and Operations Management

Course Code: FCOL-5096

Time: 03 Hours Maximum 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. What do you understand by Production and Operations Management? Discuss in detail it's objectives and functions.

Q2. What is Scheduling? Discuss various methods of Scheduling.

Section -B

Q3. Explain the term 'Productivity' and discuss various methods to improve productivity.

Q4. What is work measurement? What are its objectives?

Section -C

Q5. What is a Total Quality Management? Discuss various principles of Total Quality Management.

Q6. Explain the concept and various costs related to Inventory.

Section -D

Q7. What are the various components of Supply Chain Management?

Q8. Discuss in detail the various models for Inventory Control.