CHOICE BASED THIRD SEMESTER M.Com. DEGREE EXAMINATION FEBRUARY 2021

Management Science

Duration:3 Hours   **Max Marks:70**

I. Answer any THREE of the following :   (3×5= 15 Marks)

a). *Explain the objectives of Management Science.*

b). *What are the pros and cons of Linear Programming?*

c). *Briefly explain different types of cost involved in inventory management*

d). *State the difference between transportation and assignment problem*

II. Answer the following question :   (1×10= 10 Marks)

a). *Marketing Division of a FMCG firm has five sales executives handling the sales in five districts. Considering the capabilities of the sales executives and demographics of the districts, the Divisional Manager estimates the sales per month (in multiples of 1000 Rs.) for each executive in each district would be, as depicted in the Table below.*

		Districts				
		A	B	C	D	E
Sales	1	32	38	40	28	40
Executives	2	40	24	28	21	36
	3	41	27	33	30	37
	4	22	38	41	36	36
	5	29	33	40	35	39

Advise the Divisional Manager as how to assign sales executives to districts, in order to maximize sales.

III. Answer any THREE of the following :   (3×15= 45 Marks)

a). *Solve the minimization problem by the Two-Phase method.*

Minimize $Z = 5x - 6y - 7z$

Subject to $x + 5y - 3z \geq 15$

$5x - 6y + 10z \leq 20$

$x + y + z = 5$

$x, y, z \geq 0$

b). A cement company has three plants (1, 2, 3) and three warehouses (A, B, C). The shipping cost per ton (in multiples of 100 Rs.), plant capacities (in tons) and warehouse requirements (in tons) are given in the table below. Find the optimal solution for this problem using Stepping Stone method. Check for optimality using Vogel's method.

Warehouse

Plants		A	B	C	Plant Capacity
	1	50	40	30	100
	2	80	40	30	300
	3	90	70	50	300
Warehouse requirements		300	200	200	700

c). The following table given a list of jobs along with their time estimates

Jobs	t_0(days)	t_m(days)	t_p(days)
1-2	4	6	8
1-6	5	7	15
2-3	4	8	12
2-4	15	20	25
3-5	10	18	26
4-5	8	9	16
6-7	4	8	12
5-8	1	2	3
7-8	6	7	8

a. Draw the project network

b. Find the expected duration and variance for each activity. Determine the expected project length

d). A project has eleven activities whose duration is given in the following table:

Activity	0-1	1-2	1-3	2-4	2-5	3-4	3-6	4-7	5-7	6-7	7-8
Duration (Days)	2	8	10	6	3	3	7	5	2	8	3

a) Draw the network

b) Determine total, free and independent float.

c) Identify the critical activities and the critical path.

CHOICE BASED THIRD SEMESTER M.Com. DEGREE EXAMINATION FEBRUARY 2021
Research Methodology

Duration:3 Hours   Max Marks:70

I. Answer any THREE of the following :   (3×5= 15 Marks)

1. *State the objectives of business research.*

2. *Describe any two issues considered while formulating the research problem.*

3. *What is Group Interview? Explain.*

4. *On the basis of information given below about the treatment of 200 patients suffering from a disease, state where the new treatment is comparatively superior to the convention treatment*

Treatment	No of patients	
	Favourable response	Not favourable response
New	60	20
Conventional	70	50

For drawing your inference, use the value of Chi square for one degree of freedom at the 5% level of significance, viz., 3.841

II. Answer the following question :   (1×10= 10 Marks)

5. *Read the following case with reflection and answer the questions given at the end.*
The Ministry of Labour, government of India has the proposal of enhancing the working condition of women workers of organised sector. In this regard, the Ministry of Labour approaches you and solicits your expertise as a renowned social scientist to conduct the study. As a researcher, you are required to give your views and responses to the following:
Questions:

   i. *What should be the objectives of the study?*
   ii. *What is the research methodology you would adopt in this study?*
   iii. *How do you determine the method of sampling and the size of sample?*
   iv. *What are your views as to the relevance of the study?*

III. Answer any THREE of the following :   (3×15= 45 Marks)

6. *"Research is concerned with proper fact finding, analysis and evaluation". Do you agree with this statement? Give reasons in support of your answer.*

7. *Enumerate the different methods of data collection. How does the case study method differ from survey method?*

8. *Explain the various parametric and non parametric tests used in statistical data analysis?*

9. *Briefly explain the contents of a research report.*

CHOICE BASED THIRD SEMESTER M.Com. DEGREE EXAMINATION FEBRUARY 2021
International Business

Duration:3 Hours   Max Marks:70

I. Answer any THREE of the following :   (3×5= 15 Marks)

1. Explain the monetary approach to balance of payments adjustment.

2. Explain the comparative advantage theory based on Opportunity Cost.

3. Do you think India has true involvement in IB? Justify your answer.

4. Describe and explain the operation of the World Bank.

II. Answer the following question :   (1×10= 10 Marks)

5. German automobile group Volkswagen has entered into a strategic partnership with Microsoft to leverage the US software giant's cloud expertise. Elaborate the future USP of the automobile brand.

III. Answer any THREE of the following :   (3×15= 45 Marks)

6. Explain the similarities and differences between strategic alliances and Joint venture agreements.

7. Discuss various trade policy measures initiated in India to promote trade.

8. Mention the macro-economic variables that influence balance of payments.

9. "Political and government environment has close relationship with the economic system and economic policy". Comment.

CHOICE BASED THIRD SEMESTER M.Com. DEGREE EXAMINATION FEBRUARY 2021

Corporate Accounting

Duration:3 Hours   Max Marks:70

I. Answer any THREE of the following :   (3×5= 15 Marks)

1. A new marine insurance company reported the following figures for the first year of its working. Make necessary reserve for unexpired risks at 100% on net premium and ascertain profit or loss made by the company.

Particulars	Rs.
Premium received on original policies	80,00,000
Reinsurance premium paid	11,00,000
Reinsurance premium received	3,50,000
Claims	11,00,000
Commission on direct business	4;65,000
Expenses of management	21,00,000

2. What is the need for Accounting Standards?

3. Calculate the cost of sales Adjustment from the following under CCA method:

Particulars	Historical cost (Rs.)	Index No.
Opening stock	50,000	100
Purchases	1,80,000	120
Total goods	2,30,000	(Average)
Less: Closing stock	84,000	140
Cost of sales	1,46,000	

4. Compare and contrast historic and replacement cost methods of valuing human capital.

II. Answer the following question :   (1×10= 10 Marks)

5. From the following particulars, prepare Profit & Loss A/C of Safety Bank for the year ended 31st March 2019.

	(Rs. '000's)		(Rs. '000's)
Interest on deposits	3200	Discount on Bills discounted	1490
Commission(Cr.)	100	Interest on overdraft	1600
Interest on loans	2490	Interest on cash credits	2320
Sundry charges(Dr.)	100	Auditor's fees	35
Rent & Taxes	200	Director's fees	16
Payment to employees	500	Bad debts to be written off	300

III. Answer any THREE of the following :   **(3×15= 45 Marks)**

6. *Following balances were extracted on the closing date 31st March 2019 from the books of Adarsh Bank ltd. You are required to prepare the Balance sheet and Profit and Loss Account of the Bank.*

	(Rs. in '000's)		(Rs. in '000')
Current deposits	45500	Exchange & commission(cr)	1700
Savings bank accounts	14520	General charges recovered	55
Fixed deposits	37180	P/L A/c Balance on 1.4.2018	852
Sundry creditors	454	Cash in hand and with bank	7356
Deposit due to other banks secured by investments	12200	Money at call	1500
Bills for collection being bills receivable	22100	Investments in govt securities	45200
Acceptance & Endorsements for customers	11168	Investments in shares	4700
Rebate on bills discounted	15	Cash credit and loans	44975
Branch adjustments(cr)	4555	Bills discounted	33100
Statutory reserve	10000	Postage & Telegrams	1000
Dividends equalisation fund	2500	Interest paid	1300
Capital: 2 lakh shares of Rs.100 each, Rs. 50 paid up	10000	Payment to employees	2400
Interest & discount received	5800	Director's fees	100
		Advertisements	400
		Miscellaneous expenses	300
		Land & Building	3500
		Depreciation Reserve	500

Provide for (a) Reserve for Taxation Rs. 500000 b) Transfer to General Reserve Rs. 1500000 and c) Transfer to Dividend equalisation fund Rs. 500000.

7. *The balance sheet of Upto Date Ltd as on 31st March, 2016 and the Profit and Loss Account for the year ending 31st March 2017 are as under:*

Balance Sheet as on 31-3-2016

Liabilities	Rs.	Assets	Rs.
Share capital	40,000	Plant and Machinery	60,000
13.5% Debentures	24,000	Stocks	9,600
Sundry Creditors	14,400	Debtors	4,800
		Cash	4,000
	78,400		78,400

Profit and Loss Account for the year ending 31-3-2017

	Rs.		Rs.
To opening stock	9,600	By sales	40,000

To purchase	18,400	By closing stock	8,000
To gross profit c/d	20,000		
	48,000		48,000
To expenses	3,200	By gross profit b/d	20,000
To interest on debentures	3,240		
To depreciation	6,000		
To net profit	7,560		
	20,000		20,000

The following information is relevant:

i. There is no change in debtors and creditors during the year.

ii. Following indices are to be taken:

On 1st April 2016	200
Average for 2016-17	240
On 31st March 2017	300

iii. First –in –first out method is used.

You are required to prepare the final accounts for the year 2016-17 after adjusting for price level changes under C.P.P method.

8. Accounting Standards compliance is mandatory only for Auditors and not for the company. Comment.

9. XYZ Builders Ltd. Need to acquire the use of a crane for their construction business and are considering buying or leasing a crane. The crane costs Rs.10,00,000 and is subject to the straight line method of depreciation to a Zero salvage value at the end of 5 years. In contrast the lease rent is Rs.10,00,000 per year, to be paid in advance each year for 5 years. XYZ Builders Ltd can raise debt at 14% payable in equal annual instalments, each instalment falling due at the beginning of the year. The company is in the 50% tax bracket, should it lease or buy the crane?

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CHOICE BASED THIRD SEMESTER M.Com. DEGREE EXAMINATION FEBRUARY 2021
Security Analysis

Duration:3 Hours   Max Marks:70

I. Answer any THREE of the following :   (3×5= 15 Marks)

1. *Discuss the different types of Capital Markets.*

2. *Distinguish between equity and preference shares.*

3. *Elaborate the objectives of Fundamental Analysis.*

4. *Explain Market Reaction Test.*

II. Answer the following question :   (1×10= 10 Marks)

5. *Suppose you are the financial manager of a large national food processing firm. In your travels, you run across a small regional food processor that you believe will provide your firm with annual returns of over 30%. Returns on your firm's typical investments are around 20%. Should you propose that your firm acquire this regional food processor? What factors need to be considered in this decision?*

III. Answer any THREE of the following :   (3×15= 45 Marks)

6. *Differentiate between ETF and Mutual Funds. Explain the advantages and disadvantages of ETFs.*

7. *Explain in detail the regulations of primary markets.*

8. *Explain company analysis in the context of investment planning. What are the important factors considered in this analysis?*

9. *Define Random Walk Theory with its assumptions.*