MANIPAL INSTITUTE OF TECHNOLOGY

SECOND SEMESTER M.TECH (CEM) END SEMESTER EXAMINATION, MAY 2023 CONSTRUCTION ECONOMICS & ACCOUNTING (CIE-5254) (-05 - 2023)

TIME: 3 HRS. MAX. MARKS: 50

Note: 1. Answer all questions.

2. Any missing data may be suitably assumed.

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1A	M/s. Mukesh & Co. recorded the for January 2023. The company has asked trial balance as on 31.01.2023. January 1: Commenced a business with worth ₹ 1,00,000. January 9: Opened an account in Band January 10: Provided services to M/s. They paid cash of Rs. 30,000 and rempromissory note. January 14: M/s. Aparna consultancy January 17: Received a cheque of ₹ 50 customer. January 19: Withdrew Rs.2,000 cash 1 January 22: Paid ₹ 2,000 towards the January 31: Paid utility charges ₹ 20,000	6	1		
1B	Explain the following terms with their statements (i) Cost concept (ii) Objective Evidence concept	2	1		
1C	Distinguish between the common size trend analysis with regard to various r	2	3		
2A	Construct the Profit & Loss Account considering the adjustments for the as follows Particulars Interest ICICI Bank Loan Machinery Furniture Building Repairs & maintenance Debtors Salary Utilities Expense Fixed Deposit with Bank Travelling Expenditure Rent Printing & Stationary Advance to Sachin Bad debt Capital Adjustments: 1. Prepaid salary Rs. 10,000 2. Outstanding rent expense Rs. 2000			7	2

2B	Distinguish financial accounting with management accounting.							2
3A	A company sells his product at Rs. 400 each. Variable costs are 120 per unit and fixed cost of production are Rs. 6,30,000. 1. Determine the product break-even point in units and sales in rupees. 2. Determine the quantity of units to be sold by the company to make a profit of Rs. 28,000.							5
3B	From the given balance sheet for the end of year 2022, formulate the Comparative Balance sheet statement and comment on the change of performance. (All Fig.in Rs.)							
	Liabilities	2021	2022	Assets	2021	2022		
	Debentures	50000	50000	Building	130000	100000	6	3
	Account Payable	80000	40000	Plant	50000	40000		
	Share Capital (Rs. 10 each)	100000	120000	Cash	50000	30000		
	Reserves & Surplus	70000	50000	Account Receivables Inventories	50000	30000		
4.4			C C'	11. 11. 1			3	4
4A	Explain the various sources of finance and its applications.							4
4B	Explain capital budgeting. Discuss the merits and demerits of "Accounting rate of return" method adopted in choosing the project proposal in comparison with discounted cash flow techniques.							4
4C	For the statement of profit shown for the respective year 2022 and 2023, Evaluate and comment on the profitability and solvency using i) Gross profit ratio ii) Net Profit Ratio and iii) Interest coverage Ratio.							
	Particulars			2022	2023			
	Sales Revenue			100000		270000		2
	Cost of Goods Sold Selling & Administration expenses			50000	1000		4	3
	Interest expenses			10000	3000			
	Depreciation		10000	5000	50000			
	Tax 4000 5000							
5A	A company has following investment proposal with estimated annual operating cost of proposal A and proposal B is Rs. 2,000 per annum and 3,000 per annum for 3 years respectively. Determine payback, ARR, IRR and NPV at 10% discount rate and rank the project.						5	4
	Proje Cash Cash in ct Outflow			nflows (₹)				
	C			2 C3				
	A -200 B -200			000 9000 000 15000				
5B	Distinguish the determinants of demand with that of supply.							5
5C	Explain the significance of the following terms with respect to demand and supply: i. Breakeven point ii. Perfect Market iii. Implicit cost							5
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