U.S.N.										

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

July -2023 Semester End Main Examinations

Program: B.E. **Semester: VI**
Branch: Biotechnology **Duration: 3 hrs.**
Course Code: 19BT6HSPMF **Max Marks: 100**
Course: Project Management and Finance **Date: 12.07.2023**

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

		UNIT – I	CO	PO	Marks
1	a)	Discuss the salient features of a project by providing suitable examples. Differentiate between the project and other activities.	*CO1*	*PO1 PO11*	**10**
	b)	Identify and brief about the different types of projects in the agricultural sector.	*CO1*	*PO1 PO11*	**10**
		UNIT – II			
2	a)	Highlight the implication of the assumption "price reflects value" for project analysis.	*CO1*	*PO1 PO11*	**06**
	b)	What are the problems in finding market price of agricultural project outputs and inputs? Discuss in detail.	*CO1*	*PO1 PO11*	**08**
	c)	Identify the important sources to obtain price information for internationally traded commodity.	*CO1*	*PO1 PO11*	**06**
		OR			
3	a)	With suitable examples discuss the process of determining the financial export and import parity prices for internationally traded commodities.	*CO1*	*PO1 PO11*	**10**
	b)	Enumerate the important considerations in predicting future prices for agricultural project outputs and inputs.	*CO1*	*PO1 PO11*	**10**
		UNIT-III			
4	a)	Explain any five prime objectives of financial analysis of agricultural projects.	*CO1*	*PO1 PO11*	**10**
	b)	Assuming suitable example examine the guidelines for the preparation of farm investment analysis.	*CO1*	*PO1 PO11*	**10**
		UNIT –IV			
5	a)	For the given data, prepare a balance sheet as on 31st March 2022.	*CO2*	*PO2 PO11*	**15**

			<table><tr><th>Particulars</th><th>Rs</th><th>Particulars</th><th>Rs</th></tr><tr><td>Cash & bank balance</td><td>12,000</td><td>Inventories</td><td>1,67,000</td></tr><tr><td>Accounts payable</td><td>47,000</td><td>Long-term loan-current portion SBI</td><td>15,000</td></tr><tr><td>Account receivable</td><td>68,000</td><td>Supplier's credit</td><td>5,000</td></tr><tr><td>Short term loans</td><td>6,000</td><td>Land</td><td>50,000</td></tr><tr><td>Building & equipments</td><td>3,50,000</td><td>Construction in progress</td><td>50,000</td></tr><tr><td>Long-term loan - SBI</td><td>65,000</td><td>Long term Supplier's credit</td><td>15000</td></tr><tr><td>Share capital</td><td>4,00,000</td><td>Capital Surplus</td><td>1,00,000</td></tr><tr><td>Retained earning</td><td>44,000</td><td></td><td></td></tr></table>			
	b)	What is credit worthiness ratio? Explain its significance in a project.	*CO2*	*PO2 PO11*	**05**
		UNIT – V			
6	a)	Identify the undiscounted measures of project worth commonly used for selecting a project. Explain any two in detail.	*CO2*	*PO1 PO11*	**10**
	b)	The following details are available for a sericulture project. Estimate the net present worth value of the project assuming a discount factor of 12%. <table><tr><th>Year</th><th>Cost (in Rs.)</th><th>Returns (in Rs.)</th></tr><tr><td>1</td><td>38,900</td><td>--</td></tr><tr><td>2</td><td>9239</td><td>28475</td></tr><tr><td>3</td><td>10575</td><td>32550</td></tr><tr><td>4</td><td>11952</td><td>35610</td></tr><tr><td>5</td><td>12858</td><td>39802</td></tr></table>	*CO2*	*PO1 PO11*	**10**
		OR			
7	a)	Determine the payback period (to the nearest year) for the following project if the MARR is 10%. First Cost $10,000 Annual Maintenance 500 in year 1, increasing by $200 per year Annual Income 3,000 Salvage Value 4,000 Useful Life 10 years	*CO2*	*PO2 PO11*	**12**
	b)	Differentiate between the future value of present money and the present value of future money with suitable examples in agricultural sector.	*CO2*	*PO1 PO11*	**08**

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