Seat No.	

F.Y.M.Tech. (Civil-Construction & Management) (Part - I) (Semester - I) (New) Examination, November - 2019
PROJECT ECONOMICS AND FINANCING
Sub. Code : 72074

Day and Date : Saturday, 30 - 11 - 2019   Total Marks : 70
Time : 10.00 a.m. to 12.30 p.m.

Instructions :
1) Attempt any two questions from each section.
2) Support your answers with suitable civil engineering works & suitable sketches.
3) Figures to the righ indicate full marks.
4) Assume suitable data if necessary and mention it.

SECTION - I

Q1) a) Discuss in detail nominal & effective rate of interest with suitable example. [9]

b) Enumerate various criteria's available for financial appraisal for construction project. Explain any two criteria's in detail. [8]

Q2) a) Explain IRR method of financial appraisal. [9]

b) Describe any four types of risks involved in a construction project in detail. [8]

Q3) a) Details of two constructions machines are given below. Suggest which machine should be purchased if rate of interest is 15% per year. Use EUAC method. [9]

	Machine 'A'	Machine 'B'
Initial cost (Rs.)	20,00,000	25,00,000
Anual O/M cost (Rs.)	1,20,000	1,10,000
Salvage value (Rs.)	20,000	30,000
Service life (n) Yrs.	12	12

P.T.O.

b) Write short notes on any three [3 × 3 = 9]

    i)   Equivalence.

    ii)   Net present value.

    iii) Sensitivity analysis.

    iv) Decision tree analysis.

SECTION - II

Q4) a) Discuss in detail what factors do you consider while estimating working capital requirement of construction project. [9]

    b) What are the methods available for calculation of depreciation in construction project? Explain any one method in detail. [8]

Q5) a) Explain in detail the procedure for standard budgeting and control. [9]

    b) Write a detailed note on international financing. [8]

Q6) a) Differentiate between securities and borrowings. [9]

    b) Write short notes on any three [3 × 3 = 9]

    i)   Equity.

    ii)   Site accounts.

    iii) PPP models.

    iv) Joint ventures.

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