

Reg No.: _____



Jyothi Engineering College(Autonomous)
M.Tech Degree S2 (R) Examination, May 2026 (2025 Scheme)
25PTET212 - PROJECT EVALUATION AND MANAGEMENT



Total Mark: 60

1AR

PART A

Answer All Questions

1. Describe the steps involved in project identification process. CO1 (5)
2. Explain the key factors involved in assessing the technical feasibility of a project. CO2 (5)
3. Explain the concept of the time value of money and derive the mathematical expressions for the present value and future value of a single sum. CO3 (5)
4. Write a short note on methods of analysis of risk in project appraisal. CO4 (5)
5. Describe the sources of finance available for projects. CO5 (5)

PART B

Answer Any Five Question(s)

6. Describe project and capital investment and explain their importance in financial planning and optimal use of resources. CO1 (7)
7. Illustrate how feasibility analysis can be used to assess the viability of a project with an example. CO2 (7)
8. Consider a proposed project for establishing a solar power plant. Illustrate the components of project cash flows and explain how they are used in project evaluation. CO3 (7)
9. Bluebell Enterprises had invested Rs.2,00,00,000 for the purpose of replacing some of its machinery components. This renovation is expected to result in incremental benefits of Rs.5000000 in 1st year, Rs.3000000 in 2nd year and Rs. 4000000 in 3rd year. Calculate the benefit-cost ratio of the replacement project if the applicable discounting rate is 5%. CO4 (7)
10. Discuss the concept of technology transfer and foreign collaboration in project development. CO5 (7)
11. Compare project appraisal practices in India with international practices. CO4 (7)
12. Explain how the private sector contributes to infrastructure development in India. CO5 (7)
