CLASS: B.TECH   SEMESTER : IV
BRANCH: PIE   SESSION : SP/2023

SUBJECT: PE219 PROJECT ENGINEERING
TIME: 02 HOURS   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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Q.1(a)   What do you understand by projects?   [2]
Q.1(b)   What do you mean by project life cycle? Explain the various stages of project life cycle.   [3]

Q.2(a)   What are various characteristics of project?   [2]
Q.2(b)   Explain why planning is necessary. Describe various steps for planning a project.   [3]

Q.3(a)   What is matrix organization?   [2]
Q.3(b)   Discuss the roles and responsibilities of a project manager.   [3]

Q.4   From the following data, you are required to calculate: [5]

(a) P/V ratio,

(b) Break-even sales with the help of P/V ratio.

(c) Sales required to earn a profit of Rs. 4,50,000.,

Fixed Expenses = Rs. 90,000, Direct Material = Rs. 5, Direct Labour = Rs. 2

Direct Overheads = 100% of Direct Labour, Selling Price per unit = Rs. 12.

Q.5(a)   Explain the factors affecting the selection of project location/project site.   [2]
Q.5(b)   What do you mean by feasibility study of a project? Explain the concept of feasibility study.   [3]

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