

R22

Code No: 781AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MBA I Semester Examinations, February/March - 2025

PROJECT MANAGEMENT

Time: 3 Hours

Max.Marks:60

Note: This question paper contains two parts A and B.

i) **Part- A** for 10 marks, ii) **Part - B** for 50 marks.

- Part-A is a compulsory question which consists of ten sub-questions from all units carrying equal marks.
- Part-B consists of **ten questions** (numbered from 2 to 11) **carrying 10 marks each**. Each of these questions is from each unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

PART – A

(10 Marks)

- 1.a) Give an example of forward integration project. [1]
- b) Define public sector projects. [1]
- c) What is market analysis? [1]
- d) What is shadow price? [1]
- e) Why the present value of future cash receipt is less? [1]
- f) What is the minimum value of profitability index to accept a project? [1]
- g) Define quality. [1]
- h) What is a team? [1]
- i) What is eustress? [1]
- j) What is a lean organization? [1]

PART – B

(50 Marks)

- 2.a) How is a project different from regular operations of services or manufacturing? Explain. [5+5]
 - b) What are the components of a project management system? [5+5]
- OR**
3. Briefly discuss the various phases of a project life cycle with suitable examples. [10]
- 4.a) Bring out the objectives of social cost benefit analysis. [5+5]
 - b) What is work-breakdown structure? What is its relevance to project planning? [5+5]
- OR**
5. Explain the decision tree approach to project risk analysis illustrating your answer with suitable examples. [10]

- 6.a) A project needs an investment of Rs. 18,00,000 and has an expected life of 4 years. The cash flows for the four years are Rs.7,00,000, Rs.6,50,000, Rs.5,00,000, Rs.4,50,000 respectively. Determine the payback period.
- b) What are the sources of finances for projects? [6+4]

OR

- 7.a) What is NPV? What is the formula for calculating NPV? What is the requirement of NPV for accepting the project?
- b) Explain the differences between modernization and replacement projects with suitable example. [6+4]

- 8.a) Briefly explain the concept of lean production.
- b) Briefly discuss the concept of total quality management. [5+5]

OR

9. A small project is composed of 7 activities whose time estimates are listed below.

activity	Estimated time duration in weeks		
	optimistic	Most likely	pessimistic
1-2	1	1	7
1-3	1	4	7
1-4	2	2	8
2-5	1	1	1
3-5	2	5	14
4-6	2	5	8
5-6	3	6	15

Draw the PERT. Calculate the time for completion of the project. [10]

- 10.a) Why do you think that the matrix organization is more suited for project management?
- b) What are the stages of team building? [5+5]

OR

- 11.a) Who are the stakeholders of project?
- b) How do you manage the workplace conflicts of project management? [5+5]

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