

# CBCS SCHEME

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18IP751

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022

## Project Management

Time: 3 hrs.

Max. Marks: 100

**Note:** 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. Use of normal distribution table is permitted.

### Module-1

- 1 a. Define project and explain the characteristics of projects. (10 Marks)  
b. Explain the scalability of project tools. (10 Marks)

OR

- 2 a. Define strategic plan and explain strategic planning process. (10 Marks)  
b. Briefly explain the methods of selecting projects. (10 Marks)

### Module-2

- 3 a. Briefly explain how to define the scope. (10 Marks)  
b. Explain WBS. (10 Marks)

OR

- 4 a. Explain CPM. (10 Marks)  
b. Explain PERT and Gantt charts. (10 Marks)

### Module-3

- 5 a. Pointout and explain different types of cost. (10 Marks)  
b. Briefly explain Risk Management Plan and what are the Project Success Measures. Explain (10 Marks)

OR

- 6 a. Explain Risks over the project life cycle. (10 Marks)  
b. Point out the fourteen important risks in PANAMA canal expansion. (10 Marks)

### Module-4

- 7 a. Explain project supply chain management components. (10 Marks)  
b. Explain types of contracts. (10 Marks)

OR

- 8 a. Explain customer ISSUES. (10 Marks)  
b. Explain Terminate Project Early. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

**Module-5**

- 9 a. Explain Fulkerson's rule for numbering the events. (05 Marks)  
 b. Explain AON and AOA diagrams. (05 Marks)  
 c. Explain :  
 i) Activity  
 ii) Event  
 iii) Networks diagram  
 iv) Critical path  
 v) Critical activities. (10 Marks)

**OR**

- 10 a. Compare PERT and CPM. (05 Marks)  
 b. A project schedule has the following characteristics as shown in Table Q10(b).

Table Q10(b)

Activity	Name	Time	Activity	Name	Time (days)
1 – 2	A	4	5 – 6	G	4
1 – 3	B	1	5 – 7	H	8
2 – 4	C	1	6 – 8	I	1
3 – 4	D	1	7 – 8	J	2
3 – 5	E	6	8 – 10	K	5
4 – 9	F	5	9 – 10	L	7

- i) Construct networks diagram  
 ii) Compute TE and TL for each activity  
 iii) Find the critical path. (15 Marks)

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