

CBCS Scheme

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15ME564

Fifth Semester B.E. Degree Examination, Dec.2017/Jan.2018 Project Management

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Define Project. Explain characteristics of Project Management. (05 Marks)
- b. Explain different roles of Project Manager. (04 Marks)
- c. How does Scalability of Project tools affect Organization? (07 Marks)

OR

- 2 a. Define Strategic Planning Process and explain steps involved in strategic planning. (08 Marks)
- b. List and explain various methods included in selecting projects. (08 Marks)

Module-2

- 3 a. Define Planning. Explain scope of Project Planning. (08 Marks)
- b. What is Work Breakdown structure? How to integrate it with organization? (08 Marks)

OR

- 4 a. What is the purpose of Project scheduling? How to develop it? (08 Marks)
- b. Explain the uncertainty occurs in project schedule. (08 Marks)

Module-3

- 5 a. List and explain the Abilities needed when resourcing projects. (06 Marks)
- b. Write a short note on : (10 Marks)
 - i) Cost Planning.
 - ii) Cost Estimating.
 - iii) Cost Budgeting.

OR

- 6 a. How to develop Quality concepts and Project Quality Management plan? (08 Marks)
- b. Explain briefly Risk Identification and Risk Analysis involved in Project Management. (08 Marks)

Module-4

- 7 a. How does Project partnering can be carried out in performing project? (08 Marks)
- b. Explain the methods involved in Project Supply Chain Management. (08 Marks)

OR

- 8 a. Explain the various steps or Approaches carried out in Project Balanced Scorecard. (08 Marks)
- b. How does Knowledge Management helps in Project Management? (08 Marks)

Module-5

- 9 a. Explain the basic steps involved in PERT/CPM techniques. (04 Marks)
- b. A Project schedule has the following characteristics :
- Construct Network diagram.
 - Compute EST and LFT for each event.
 - Calculate EFT and LST and all floats.
 - Find critical path and project duration. (12 Marks)

Activity	1-2	1-3	2-4	3-4	3-5	4-9	5-6	5-7	6-8	7-8	8-10	9-10
Time	4	1	1	1	6	5	4	8	1	2	5	7

OR

- 10 a. Write difference between PERT and CPM. (04 Marks)
- b. Define Crashing of Projects. Explain the Parameters helps in crashing (any five). (06 Marks)
- c. Explain the three different time estimates employed in PERT. (06 Marks)
