

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VIII (New) EXAMINATION – WINTER 2019****Subject Code: 2182506****Date: 25/11/2019****Subject Name: Managing Projects****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

MARKS

- Q.1** (a) Explain scope, schedule and cost in reference to project management. **03**
- (b) Explain guidelines for construction of network diagram. **04**
- (c) Differentiate two methods: CPM and PERT with its application **07**
- Q.2** (a) Draw the AOA network for the following project: **03**
- | | | | | | | | | |
|-------------|---|---|---|---|---|-----|-------|---|
| Activity | A | B | C | D | E | F | G | H |
| Predecessor | - | - | A | B | A | C,D | C,D,E | F |
- (b) Explain budget uncertainty in project management. **04**
- (c) Explain project manager's role and responsibility in project. **07**
- OR**
- (c) A project schedule has the following characteristics **07**
- | | | | | | | |
|----------------|---|---|---|---|---|-----|
| Activity | A | B | C | D | E | F |
| Predecessor | - | A | B | A | D | C,E |
| Duration(week) | 5 | 6 | 5 | 4 | 3 | 4 |
- Construct a network and find critical path, total duration of the project and calculate EST, LST, EFT and LFT.
- Q.3** (a) Discuss about resource allocation in project management. **03**
- (b) Explain project termination in brief. **04**
- (c) Define project management and explain how it differs from general management. **07**
- OR**
- Q.3** (a) Discuss regarding cost variance in project. **03**
- (b) Explain in brief about project overview statement. **04**
- (c) Explain different elements of project planning. **07**
- Q.4** (a) Define following terms: **03**
- (i) Optimistic time, (ii) Pessimistic time, (iii) Most likely time
- (b) Explain budgeting of project in brief. **04**
- (c) Discuss work breakdown structure with suitable example. **07**
- OR**
- Q.4** (a) Explain about project cost estimation. **03**
- (b) Explain how project evaluation is useful in project management. **04**
- (c) Explain the process of project auditing. **07**
- Q.5** (a) Discuss about project action plan. **03**
- (b) Explain project scope creep in brief. **04**

- (c) What is resource loading? How does it differ from resource leveling? **07**
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OR

- Q.5** (a) Explain about crashing of cost in brief. **03**
(b) Explain how the project team reflects on successful completion of project. **04**
(c) Explain project management life cycle with neat sketch. **07**

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