| Seat No.: | Enrolment No |
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Subject Code: 182506

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- VIII• EXAMINATION - SUMMER 2016

Date: 16/05/2016

| Time | e:10 | Name: Managing Projects :30 AM to 01:00 PM Total Marks: 70 | | |
|-------------|----------------|--|----------------|--|
| Instru | 1. 2. 3. | s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. | | |
| Q.1 | (a) | Consider a project of building a 4-sided fence. Each side is of equal length and contains the same material and labor costs as well as takes the same amount of time to complete. The estimated project completion time and budget is 4 days Rs. 4000/respectively. Prepare an earned value calculation at the end of 3 days. At the end of day 3, total costs incurred are Rs.3500/- and 70% of the project is completed. | | |
| | (b) | Define project. Discuss Project life cycle. | 06 | |
| Q.2 | (a) | a) Describe the three variances of an earned value chart and explain their significance. | | |
| | (b) | project manager. | 07 | |
| | <i>-</i> . | OR | | |
| | (b) | Discuss matrix organization structure for project. How it is different from project type organization structure? | 07 | |
| Q.3 | | | | |
| | (b) | The following activities are part of a project to be scheduled using CPM: Activity A B C D E F G Immediate Predecessor - A A C B D E F F | 07 | |
| | | Time (Weeks) 6 3 7 2 4 3 7 | | |
| | | Draw the AOA network; find EST, SFT, LST, LFT and slack for all activities. Also | | |
| | | find the critical path and project duration. | | |
| | | OR | 07 | |
| Q.3 | (a) | | | |
| | (b) | Schedule the following activities using CPM: Activity A B C D E F G H Immediate Predecessor - A A B C, D D F E, G | 07 | |
| | | Time (Weeks) 1 4 3 2 5 2 3 | | |
| | | Draw the AOA network; find EST, SFT, LST, and LFT for all activities. Also find the critical path and project duration. | | |
| Q.4 | (a) | | 07 | |
| 7. 7 | (b) | | 07 | |
| | | OR | | |
| Q.4 | (a) | What is RACI matrix? Discuss its usefulness to project manager. | 07 | |
| | (b) | What is resource loading? How does it differ from resource leveling? 07 | | |
| Q.5 | (a) (b) | List and briefly describe the ways projects may be terminated. What are the major sources of conflict throughout the life cycle? Discuss. | 07 07 | |
| o - | | OR | ^ - | |
| Q.5 | (a) (b) | Discuss time-cost tradeoffs in project scheduling. Differentiate between general management and project management. *********************************** | 07 07 | |
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