

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2018

Subject Code: 2182506
Date: 19/11/2018
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) Define Scope, Schedule and Cost in reference to project. | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) Describe the difference between AOA and AON project network. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Find the Project duration, EST, EFT, LST, LFT and total slack for each activity. | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Draw AOA network diagram. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Activity</th> <th style="padding: 5px;">A</th> <th style="padding: 5px;">B</th> <th style="padding: 5px;">C</th> <th style="padding: 5px;">D</th> <th style="padding: 5px;">E</th> <th style="padding: 5px;">F</th> <th style="padding: 5px;">G</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Predecessor</td> <td style="padding: 5px;">-</td> <td style="padding: 5px;">-</td> <td style="padding: 5px;">A</td> <td style="padding: 5px;">B</td> <td style="padding: 5px;">B</td> <td style="padding: 5px;">C, D</td> <td style="padding: 5px;">E, F</td> </tr> <tr> <td style="padding: 5px;">Time (weeks)</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">2</td> </tr> </tbody> </table> | Activity | A | B | C | D | E | F | G | Predecessor | - | - | A | B | B | C, D | E, F | Time (weeks) | 1 | 10 | 6 | 5 | 4 | 3 | 2 | |
| Activity | A | B | C | D | E | F | G | | | | | | | | | | | | | | | | | | | |
| Predecessor | - | - | A | B | B | C, D | E, F | | | | | | | | | | | | | | | | | | | |
| Time (weeks) | 1 | 10 | 6 | 5 | 4 | 3 | 2 | | | | | | | | | | | | | | | | | | | |
| Q.2 | (a) Draw the AOA network for the following project. | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
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| Predecessor | - | - | A | B | B | C, D | E, F | | | | | | | | | | | | | | | | | | | |
| (b) Differentiate between General Management and Project Management. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Discuss project-type organization structure for project. How it is different from matrix organization structure? | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| | OR | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) What is a Work Breakdown Structure (WBS)? What is a Responsibility Matrix? How are they related? | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.3 | (a) Give name of any 10 resources used in a project | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) What is Project termination? Explain. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Describe Project Charter in Detail. | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| | OR | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.3 | (a) What are some sources of conflict the project manager must deal with? | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) Briefly explain project scope creep. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) What are some essential skills for an effective project manager? How can these skills be developed? | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.4 | (a) List any five projects declared by Government of India after 2015. | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) What is Cost Variance? Explain. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Discuss Earned Value Analysis with suitable example. | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| | OR | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.4 | (a) What is an activity slope and what does it indicate? | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) Identify the four reasons for project termination. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Describe the project budgeting process | 07 | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.5 | (a) In preparing a budget, what indirect costs should be considered? | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) List four stages of Project Team building process. Explain any one of them. | 04 | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Discuss the critical chain project management. | 07 | | | | | | | | | | | | | | | | | | | | | | | | |

OR

- Q.5 (a) What is shown on RACI matrix? How is it useful to a PM? **03**
(b) What is time-cost trade off in project schedule? **04**
(c) What is resource loading? How does it differ from resource leveling? **07**

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