

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Fourth Semester B.Tech (Minor) Degree Examination July 2021 (2019 admission)

Course Code: ITT286**Course Name: SOFTWARE PROJECT MANAGEMENT TECHNIQUES**

Max. Marks: 100

Duration: 3 Hours

PART A*(Answer all questions; each question carries 3 marks)*

| | | Marks |
|----|---|-------|
| 1 | What are Objectives? | 3 |
| 2 | Define Net Value Present. | 3 |
| 3 | List out any three disadvantages of SLOC measure. | 3 |
| 4 | Define Project Effort. | 3 |
| 5 | Define Critical Path. | 3 |
| 6 | Describe PERT estimates. | 3 |
| 7 | List out any three activities of the project termination process. | 3 |
| 8 | Explain about Gantt chart. | 3 |
| 9 | List out some mental obstacles to good decision making. | 3 |
| 10 | What is Democratic team? | 3 |

PART B*(Answer one full question from each module, each question carries 14 marks)***Module -1**

| | | |
|----|--|----|
| 11 | a) List out the steps in Stepwise Project Planning. | 10 |
| | b) Define Net Profit and Payback period. | 4 |
| 12 | a) Explain in detail on Project Portfolio Management. | 10 |
| | b) List out different categories of Software Projects. | 4 |

Module -2

| | | |
|----|--|---|
| 13 | a) Explain about Extreme Programming (XP). | 7 |
| | b) Explain on COSMIC Full Function Points. | 7 |
| 14 | a) Explain in detail about the RAD model. | 7 |
| | b) What are agile methods? What are the advantages of Agile methods? | 7 |

Module -3

- 15 a) What is Activity plan? Explain the objectives of Activity planning. 7
b) Explain Forward Pass with suitable example. 7
- 16 a) Explain on Monte Carlo Simulation. 7
b) Explain Backward Pass with suitable example. 7

Module -4

- 17 a) Explain any two methods for Visualizing Progress. 7
b) Explain about Change Control Procedure. 7
- 18 a) Explain in detail on Earned Value Analysis. 10
b) Define Change control Board (CCB). 4

Module -5

- 19 a) Explain on Chief Programmer team. 7
b) Describe in detail about Virtual Teams. 7
- 20 a) Explain the Oldham-Hackman job characteristic model. 10
b) Describe the disadvantages of Decision making 4
