

322813(22)

APR-MAY

B. E. (Eighth Semester) Examination, 2020

(Old Scheme)

(CSE Engg.)

SOFTWARE PROJECT MANAGEMENT

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : From each unit part (a) is compulsory and attempt any two parts of each unit from remaining. Part (a) carries 2 marks & attempt any two parts from rest which of 7 marks each.

Unit-I

1. (a) What is Project? 2

[2]

- (b) Explain the essential elements of S/W project management. 7
- (c) Write down the short notes on : 7
- (i) Gantt chart
 - (ii) Network diagram
- (d) Explain the role of project manager in detail. 7

Unit-II

2. (a) Explain the four project dimensions. 2
- (b) Explain in detail about the PMJ fundamentals. 7
- (c) Write down the short notes on : 7
- (i) Procurement management
 - (ii) SOW
- (d) What is project portfolio management? 7

Unit-III

3. (a) What is 40-20-40 rule? 2

[3]

- (b) Suppose a project was estimated to be 400 KLOC. Calculate the effort and development time for each of the three model i.e. organic, semidetached and embedded. 7
- (c) Briefly explain WBS and WBS techniques. 7
- (d) Write down the short notes on : 7
- (i) PERT
 - (ii) CPM

Unit-IV

4. (a) What is Risk? 2
- (b) Explain the change management and change control board. 7
- (c) What is EVA and EVA variances. 7
- (d) Explain the type of risk and risk resolution. 7

Unit-V

5. (a) What is black Box testing? 2

[4]

- (b) Write down the different types of testing. 7
- (c) Write down the short notes on : 7
- (i) Performance metrics
 - (ii) Test metrics
- (d) Explain the migration strategies, project recovery and project success. 7