Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 20852

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Seventh/Eighth Semester

Computer Science and Engineering

MG 6088 — SOFTWARE PROJECT MANAGEMENT

(Common to Electronics and Communication Engineering/Industrial Engineering/
Mechatronics Engineering/Information Technology)

(Regulations 2013)

(Also Common to : PTMG 6088 – Software Project Management for B.E. (Part-Time)
Sixth Semester – Computer Science and Engineering – Regulations 2014)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What are the steps in cost-benefit analysis?

2.   Define the term management control.

3.   What is SCRUM?

4.   Expand RAD. Is it incremental model? Justify.

5.   Distinguish between Forward pass and back pass techniques.

6.   Give the need for Monte Carlo simulation.

7.   How do Earned value management helps project Manager?

8.   What is Contract management?

9.   Define the term virtual team.

10.   What is the role of Ethics in project Management?

PART B — (5 × 13 = 65 marks)

11. (a) How does Project Management Methodology differ for simple projects and complex projects? Explain in detail.

Or

(b) List the types of critical risks in project planning.

12. (a) How the cost-estimation of Agile projects are done? Explain in detail.

Or

(b) Explain estimation through COCOMO II model.

13. (a) Discuss the phases of risk monitoring measure.

Or

(b) What is CPM? List its types and explain.

14. (a) Give the need for EVA. Is it necessary for WBS for EVA? Justify with measure progress.

Or

(b) With neat diagram bring the importance of Software Configuration Management (SCM).

15. (a) Do staff selection relate with Quality of product? Justify with appropriate reason.

Or

(b) What are two types of Decision-making? Discuss on rational Decision making approach.

PART C — (1 × 15 = 15 marks)

16. (a) For software project, draw an activity chart with task dependency table. Derive Critical path for completion of the project. Based on Task dependency diagram allocate resource and derive Activity chart.

Or

(b) What are the functions in traffic light-Controller method? With the help of Software project management, how will you solve the problem?