Question Paper Code : 72202

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Eighth/Seventh Semester

Computer Science and Engineering

MG 6088 — SOFTWARE PROJECT MANAGEMENT

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

(Regulations 2013)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define software project management.

2. What is software project planning?

3. What is the function of spiral model?

4. What is activity model?

5. Name the any two levels of COSMIC Model.

6. Differentiate between CPM and PERT.

7. Define configuration management.

8. Define change control.

9. Write the significance of Oldham-Hackman job characteristic model.

10. Define software reliability.

PART B — (5 × 16 = 80 marks)

11. (a) Narrate the phases of software project management.

Or

    (b) Briefly explain about Cost benefit evaluation technology.

12. (a) Explain COCOMO-II model.

Or

(b) Discuss extended function point with an example.

13. (a) Narrate the various network models and calculations used in the model and differentiate between them.

Or

(b) Discuss the risk identification process and the mitigation steps involved in the project management.

14. (a) Explain with examples software configuration management.

Or

(b) Discuss the framework for project management and control.

15. (a) Explain different types of team structures used in the project management.

Or

(b) Describe the best methods of staff selection and its merits and demerits.