PVP 14

Code: IT6T1

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2018

SOFTWARE ENGINEERING
(INFORMATION TECHNOLOGY)

Duration: 3 hours Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1. a) What is Software Myth?

   b) Write short note on scale & change in software problem.

   c) What is prototyping model?

   d) What is software process?

   e) What are functional and non-functional requirements?

   f) What is Connector? Explain briefly.

   g) Explain coupling and cohesion.

   h) Explain characteristics of good software design.

   i) What is software metric?

   j) How do you derive the size of the software product?

   k) What is coding standard?

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Define software engineering. Explain the Changing Nature of software engineering. 8 M

   b) How software problem can be defined? 8 M

3. a) Explain the phases of unified process. 8 M

   b) Explain prototyping analysis. 8 M

4. Explain the structure of SRS in detail. 16 M

5. a) Discuss the design methodologies. 8 M

   b) Explain object oriented design principle. 8 M

6. a) Explain Equivalence Class Partitioning and Boundary value analysis? Compare the two. 8 M

   b) What are software metrics? Explain in detail. 8 M