

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (2013 & 2014) (Sem.-6)
SOFTWARE ENGINEERING
Subject Code : BS-302
Paper ID : [B0421]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

1. Answer briefly :

- a) Draw and write the purpose of any four symbols of a data flow diagram.
- b) When was the term Software Engineering coined? And who gave this term?
- c) What is a personal software process?
- d) Why are software metrics important?
- e) How is a product different from a process?
- f) What is a data dictionary?
- g) What is coupling? Is it good or bad?
- h) Create two test cases to test a program that calculates roots of a quadratic equation.
- i) What is the purpose of Project Evaluation and Review Technique?
- j) How is postmortem review useful?

SECTION-B

- Q2. Explain different phases of the life cycle of a software product.
- Q3. Explain the risk analysis and management strategies that are used in software projects.
- Q4. Why is project planning important? Discuss the different activities of the project planning phase.
- Q5. What are the main components of the Software Requirements Specification (SRS) document? Explain the characteristics of a good SRS.
- Q6. What is software testing? Explain the different types of testing.
- Q7. Explain the different software design methodologies. Discuss the different phases of the design process.

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