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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (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 Write briefly :**

- a. What do you mean by software development life cycle?
 - b. Differentiate between Scheduling and Project Scheduling.
 - c. What are the objectives of software engineering?
 - d. What is the role of the size of a project in cost estimating?
 - e. Explain the software measurement process.
 - f. List various design tools used in software engineering.
 - g. What is the significance of data flow diagram with respect to software development?
 - h. What is the difference between verification and validation?
 - i. What is PERT?
 - j. What is top down and bottom up approach?
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SECTION-B

- 2 What are different phases of waterfall life cycle? List the advantages and disadvantages of the waterfall life cycle.
- 3 What are the different planning activities? Discuss in detail.
- 4 What are the various methods used for problem analysis?
- 5 Describe the various design tools and techniques.
- 6 What do you understand by term system testing? What are the different kinds of system testing that are performed on large software projects?
- 7 Explain Cohesion and Coupling in Software Engineering.

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