

Roll No.

Total No. of Pages : 2

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-6th)
SOFTWARE ENGINEERING
Subject Code : CS-308
Paper ID : [A0473]

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 FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) What is the difference between software and program?
- b) Discuss the term : quality and consistency of software.
- c) Write the reason for failure of waterfall model.
- d) Why does a software project sometimes terminate?
- e) Differentiate between verification and validation.
- f) What is need of software metrics?
- g) Write a brief about CASE tools.
- h) What is white box testing?
- i) What are the features of fourth generation techniques?
- j) What are the attributes of client server environment?

SECTION-B

2. Explain the various characteristics of software.
3. Discuss the various phases of SDLC.
4. Explain COCOMO model with an example.
5. Explain the various CASE standards.
6. Discuss the usage and types of software maintenance.

SECTION-C

7. Write a note on :
 - a) 4GL environment
 - b) SSADM
 - c) Function point
8. Discuss the various methods used for software development.
9. What are the principles of software project management? Also explain the impact of programming language on project planning, design and testing etc.