

Roll No.

Total No. of Pages : 2

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-6th)

SOFTWARE ENGINEERING

Subject Code : CS-332 (2007 & Onward Batches)

Paper ID : [A0497]

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) List the important items that a Software Project Management Plan (SPMP) document should discuss.
- b) What is cyclomatic complexity?
- c) Distinguish between validation and verification.
- d) Why a high degree of coupling among the modules can make the maintenance very difficult?
- e) Why does the requirement change so much? Does SRS help in this case?
- f) What is SA/SD Methodology?
- g) What is meant by Software Configuration Management?
- h) Differentiate between Function Oriented Design and Object Oriented Design.
- i) Differentiate between Chief Programmer and Democratic Team Structure.
- j) What do you understand by Software reliability?

SECTION-B

2. What is meant by modular design? When and how should a modular design be implemented?
3. Can Spiral Model be said as a meta model? Justify.
4. What are the characteristics of a good user interface design?
5. What is Software maintenance? Explain the side effects that are caused due to software maintenance.
6. What are the quality attributes that every software should possess?

SECTION-C

7. Which method is best in Integration Testing? Top Down or Bottom up. Support your answer.
8. What are the essential characteristics of software engineering? How it is different from other engineering discipline such as house building and bridge design?
9. Explain the following :
 - (a) Reverse Engineering
 - (b) Domain Analysis
 - (c) Coding Standards
 - (d) Estimation Metrics