

Paper : V - Software Engineering

BAC-316

Time : 3 Hours

M.M. : 100

Note— Attempt FIVE questions in all. All Q. carry equal marks.

1. Describe briefly : (a) Incremental Model (b) Prototype Model.
2. (a) Describe qualities of a good software requirement specification (SRS).
(b) What should be the qualities of a good system analyst ?
3. Different between :
(a) Adaptive maintenance and corrective maintenance.
(b) Black box testing and White box testing.
4. (a) State various case tools for software design.
(b) What is software version control ? How is it maintained.
5. Write short notes on :
(a) Software Configuration Management (SCM)
(b) Software maintenance.
6. (a) What do you mean by cyclomatic complexity ?
(b) Why top down testing is not effective strategy for testing Object Oriented Systems (OOSs) ?
7. What are the advantages of a good modular design ? Explain three main concepts of modular design with an example ?
8. (a) State various guidelines for formal technical reviews ?
(b) What do you mean by change over ? Distinguish between direct change over and pilot change over ?
9. (a) What is a good coding style and what should it have & not have ?
(b) Describe function oriented metrics for effort estimation.
10. Write short notes on : (a) Software Validation (b) Software verification (c) Software Reusability.