

M.Sc. (Part-I) Semester-I (C.B.C.S. Scheme) Examination

COMPUTER SOFTWARE (New)

(Software Engineering and Software Testing)

Paper-1 MCSW 2

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory.

(2) Use suitable data wherever necessary.

1. (a) Explain the various types of systems in detail. 7
- (b) What are fact finding techniques used in system ? Explain. 7

OR

2. (a) Describe the working of layered model. 7
- (b) Explain the concept of feasibility study with its types. 7
3. (a) Explain the crisis and myths of software. 7
- (b) State and explain Software Evolutionary model process with any one model. 7

OR

4. (a) Explain the concept of Software Risk Management. 7
- (b) Explain the following concept of project planning. 7
5. (a) Explain the Software Configuration Management Process. 7
- (b) Describe the concept of Requirement Engineering with its different tasks. 7

OR

6. (a) Explain the following terms :
 - (i) EV Analysis
 - (ii) Project Plan. 7
- (b) Explain the concept of project scheduling. 7

7. (a) Explain the basic design principles to navigate the design process. 7
(b) What is component level design ? States its importance. 7

OR

8. (a) Explain the representation of cohesion and coupling in modular designing. 7
(b) Explain the various designing steps involved in transform mapping. 7
9. (a) Explain the terms :
(i) Fault
(ii) Test case
(iii) Failure. 6
(b) What is Psychology Testing ? Explain. 6

OR

10. (a) Explain the basic process in Software Testing. 6
(b) Explain the V-model with appropriate diagram. 6
11. (a) What is system testing ? Explain its types. 6
(b) Explain the purpose of Defect Management Process. 6

OR

12. (a) Explain the basic phases in Software Testing Process. 6
(b) State the objective of test. Explain Entry and Exit criteria in test planning. 6