

B.C.A. (Part-III) Semester-V Examination

SOFTWARE ENGINEERING

Paper-5ST3

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) All questions carry equal marks.

(2) All questions are compulsory.

1. (A) Explain software processes and its characteristics in detail. 6
- (B) Explain requirement analysis and specification in detail. 6

OR

2. (A) Explain requirement engineering process in detail. 6
- (B) Explain the spiral model in detail. 6
3. (A) Explain the various issues in software cost estimation. 6
- (B) Explain software project planning in detail. 6

OR

4. (A) Explain cost estimation using COCOMO model. 6
- (B) What is Risk ? Explain how it can be managed in software engineering. 6
5. (A) Explain in detail decision tree and decision table. 6
- (B) Explain the terms :
 - (i) Abstraction.
 - (ii) Problem partitioning. 6

OR

6. (A) Explain top-down and bottom-up design approaches in detail. 6
- (B) What is modularity ? Explain with suitable example. 6
7. (A) Explain role of software project management in successful project. 6
- (B) Explain information hiding and information reusing in detail. 6

OR

8. (A) Explain structured programming in detail. 6
- (B) Explain the role of resource management in detail. 6
9. (A) Explain the software quality parameters in detail. 6
- (B) Explain QC and QA in detail. 6

OR

10. (A) Explain V and V planning in detail. 6
- (B) Explain ISO in software quality concept. 6