

AM-244

B.C.A. Part-III (Semester-V) Examination
SOFTWARE ENGINEERING – 5ST3

Time : Three Hours]

[Maximum Marks : 60

INSTRUCTIONS TO CANDIDATES

- (1) Assume suitable data wherever necessary.
- (2) Explain with the help of neat sketches, wherever necessary.
- 1. (a) What is Software ? Explain the software characteristics. 6
- (b) Explain software engineering and process. 6

OR

- 2. (a) Explain the Waterfall model. State its advantages and disadvantages. 6
- (b) Explain software requirement analysis using DFD. 6
- 3. (a) Explain 4P's in Software Project Management. 6
- (b) Explain steps in Project Management Process. 6

OR

- 4. (a) What is meant by Software Project Planning ? Explain. 6

- (b) Explain the term Project Resources. 3
- (c) Explain the term Software Sizing. 3
5. (a) What is Modularity ? Explain with suitable example. 6
- (b) What is Software Architecture ? Explain its importance. 6

OR

6. (a) What is System Design ? Explain design abstraction. 6
- (b) What is role of problem partitioning in system design ? 6
7. (a) Explain structured programming. 6
- (b) What is OO Programming ? Explain. 6

OR

8. (a) What are difficulties in Software Project Management ?
State Laws of Project Management. 6
- (b) Write short notes on :
(i) Information Hiding
(ii) System Documentation. 6
9. (a) Explain Software Quality concept. 4
- (b) Write short notes on :
(i) SQC
(ii) SQA. 8

OR

10. (a) Explain in brief V and V Planning tools and techniques. 6
- (b) What are Software Quality Parameters ? Explain with their definition. 6