

Roll No.

Total Pages : 02

BCA/D-20

1199

SOFTWARE ENGINEERING

BCA-234

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit in addition to the compulsory Q. No. 1.

(Compulsory Question)

1. (a) Name the characteristics of SRS.
- (b) Data Dictionary is called structured repository of data. Explain.
- (c) What is the difference between alpha and beta testing ?
- (d) Name the steps of software maintenance. **4×4=16**

Unit I

2. Explain the prototype model of software development. **16**
3. Discuss the factors on which software quality depends.

16

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Unit II

4. Explain the methods used for problem analysis. **16**
5. What are the components of SRS ? Explain briefly. **16**

Unit III

6. Define module coupling and explain various types of module coupling. **16**
7. Describe various problems during maintenance. Describe some solutions to these problems. **16**

Unit IV

8. (a) What are Project Management Activities ? What are issues ?
(b) What is quality assurance plan ? How defects are injected in software and are how they removed ?
4,12
9. Explain the following briefly :
 - (a) Verification and validation
 - (b) System testing
 - (c) Acceptance testing. **16**