

Roll No.

Total Pages : 2

BT-6/M-20

36117

SOFTWARE ENGINEERING

Paper–CSE-310 N

Opt. : (I)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

UNIT-I

1. (a) Explain the term 'software crisis' with the help of an example. 7
- (b) Elaborate the software characteristics. 8
2. (a) Draw the diagram of spiral model for software development and explain it. 5
- (b) What are the advantages of using V model? 5
- (c) What do you understand by the term 'prototype'? 5

UNIT-II

3. (a) Explain requirement engineering process. 5
- (b) Why feasibility study is necessary? 5
- (c) What is data flow diagram? Explain DFD with the help of suitable example. 5

4. Explain the following terms :
- (a) Software risk management.
 - (b) Software configuration management.
 - (c) Software quality assurance. 15

UNIT-III

5. (a) What are the important points that should be considered while designing a software ? 5
- (b) What do you understand by 'pseudo codes'? 5
- (c) Differentiate between coupling and cohesion. 5
6. (a) Explain top-down and bottom-up design. 8
- (b) Explain function point. 7

UNIT-IV

7. (a) Write a short note on structured programming. 8
- (b) Discuss acceptance testing and regression testing. 7
8. (a) Differentiate between software testing and debugging. 5
- (b) Define software maintenance. Explain its types. 5
- (c) Write a short note on software Re-engineering. 5
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