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Roll No. :

322848(22)

**B. E. (Eighth Semester) Examination,
April-May 2021**

(New Scheme)

(CSE, IT Branch)

SOFTWARE TESTING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory. Attempt any two part from (b), (c) & (d).

Unit-I

1. (a) Define Software Quality. 2
- (b) Define Software testing. Explain the concept of complete testing. 7

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- (c) How test planning and design help in software testing?
Explain it. 7
- (d) Describe the concept of software testing team and management. 7

Unit-II

2. (a) Define Unit Testing. 2
- (b) Explain theory of Goodenough and Gerhart. 7
- (c) Explain theory of gourlay. 7
- (d) List out and explain limitation of testing. 7

Unit-III

3. (a) Define Control flow testing. 2
- (b) Write a program to calculate area of circle? Draw flow chart. Draw flow graph and calculate number of independent path. 7
- (c) Compare between data flow and test selection criteria. 7
- (d) Explain in detail testing of domain errors. 7

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Unit-IV

4. (a) Define system testing. 2
- (b) Explain in detail Requirement identification. 7
- (c) Explain acceptance testing and its types. 7
- (d) Describe in brief structure of system test plan. 7

Unit-V

5. (a) Define quality assurance. 2
- (b) List out and explain five views of software quality. 7
- (c) Explain in detail CMM and its level. 7
- (d) Write short notes on : 7
- (i) SQA Plan
- (ii) ISO 9000