



Seat No. _____

FM-003-2043001

B. Sc. (I. T.) (Sem. III)

Examination

November - 2022

CS-13 : SAD, Software Quality Assurance and Testing

Faculty Code : 003

Subject Code : 2043001

Time : 2.30 Hours]

[Total Marks : 70

- 1 (A) Attempt the following. 4
- (1) Full Form of SDLC.
 - (2) Give the name of tools for documententing procedure and decisions.
 - (3) Give the names of all fact finding techniques.
 - (4) Give the name of tools for the data flow analysis.
- (B) Answer in brief. (Any 1 out of 2) 2
- (1) Explain data dictionary in brief.
 - (2) Define : system analyst.
- (C) Answer in detail. (Any 1 out of 2) 3
- (1) Explain software engineering in detail.
 - (2) What is SDLC? Explain in detail.
- (D) Write a note on following. (Any 1 out of 2) 5
- (1) Give the difference between Quality Assurance and Quality Control.
 - (2) Write note on Decision tree and Decision Table.
- 2 (A) Attempt the following. 4
- (1) Give the names of questionnaire techniques.
 - (2) What is software testing?
 - (3) Define: unit testing.
 - (4) Define : Static testing.

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- (B) Answer in brief. (Any 1 out of 2) 2
- (1) Explain fault and failure.
 - (2) Explain test case and test suite.
- (C) Answer in detail. (Any 1 out of 2) 3
- (1) Difference between static and dynamic testing.
 - (2) Explain non functional testing in detail.
- (D) Write a note on following. (Any 1 out of 2) 5
- (1) Explain difference between Black box and White box testing in detail.
 - (2) Explain test script, test plan and test harness in detail.
- 3 (A) Attempt the following. 4
- (1) Full form of VUG.
 - (2) Full form of QTP.
 - (3) Rational testing was developed by _____.
 - (4) Iterative model is also known as _____.
- (B) Answer in brief : (Any 1 out of 2) 2
- (1) Explain win- runner in brief.
 - (2) Explain waterfall model.
- (C) Answer in detail. (Any 1 out of 2) 3
- (1) Explain prototyped model in detail.
 - (2) Explain load runner in brief.
- (D) Write a note following. (Any 1 out of 2) 5
- (1) Write a note on Spiral model.
 - (2) Write a note on big bang model.
- 4 (A) Attempt the following. 4
- (1) Time line chart is also known as _____.
 - (2) What is Project scheduling?
 - (3) Full form of FP.
 - (4) PERT known as _____.

- (B) Answer in brief. (Any 1 out of 2) 2
- (1) Explain Project tracking in brief.
 - (2) Explain Timeline chart in detail.
- (C) Answer in detail. (Any 1 out of 2) 3
- (1) Write a note on COCOMO model.
 - (2) Explain Task Network.
- (D) Write a note following. (Any 1 out of 2), 5
- (1) Write a note on PERT chart.
 - (2) Write a note on decomposition technique.
- 5 (A) Attempt the following. 4
- (1) UML stand for _____.
 - (2) Full form of CAD.
 - (3) List all types of diagrams.
 - (4) Give the name of CAD tool for project management and its controlling.
- (B) Answer in brief. (Any 1 out of 2) 2
- (1) Explain class diagram in brief.
 - (2) Explain activity diagram in detail.
- (C) Answer in detail. (Any 1 out of 2) 3
- (1) Explain MS VISIO in detail.
 - (2) Explain use of UML.
- (D) Write a note on following. (Any 1 out of 2) 5
- (1) Write a note on Use case diagram.
 - (2) Explain cad project management tool for project management and its controlling: