

B.Sc.(IT) Semester - 3 (CBCS) Examination**Oct/Nov. -2018****CS-13 SAD SOFTWARE QUALITY ASSURANCE AND TESTING(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1 (A) Answer followings: (04)
- (1) Which technique is obsolete in fact finding?
 - (2) What is Sub-System?
 - (3) What is Information System?
 - (4) Full form of SQA is _____.
- (B) Answer the following: (Any one) (02)
- (1) Explain the term software engineering.
 - (2) Write a note on decision Table.
- (C) Answer the following: (Any one) (03)
- (1) Explain the term Feasibility study.
 - (2) Write a note on Quality Assurance.
- (D) Answer the following: (Any one) (05)
- (1) Explain SDLC in detail.
 - (2) List out the Fact finding technique in detail.
- Q-2 (A) Answer followings: (04)
- (1) Explain the term software Testing.
 - (2) Explain the term software faults.
 - (3) Explain the term software failure.
 - (4) Which technique of software is called Glass Box Testing?
- (B) Answer the following: (Any one) (02)
- (1) Explain Security testing and Load testing.
 - (2) Explain Stress testing and Usability testing.
- (C) Answer the following: (Any one) (03)
- (1) Explain Bug Error and Defect in detail.
 - (2) Explain any one technique of Software testing in detail.
- (D) Answer the following: (Any one) (05)
- (1) Explain testing Artifacts in detail.
 - (2) Explain test levels in detail.
- Q-3 (A) Answer followings: (04)
- (1) Write down Main Disadvantage of Water Fall Model.
 - (2) _____ is giving the concept of Freeware in to the market.
 - (3) Which model is used to develop software of Universe?
 - (4) Full form of QTP.
- (B) Answer the following: (Any one) (02)
- (1) Explain the term Shareware.
 - (2) Explain the term Freeware.
- (C) Answer the following: (Any one) (03)
- (1) Explain Win runner in detail.
 - (2) Explain iterative model in detail.

- (D) Answer the following: (Any one) (05)
- (1) Explain Waterfall model in detail.
 - (2) Explain Prototype model in detail.
- Q-4 (A) Answer followings: (04)
- (1) Full form of PERT is _____.
 - (2) Full form of CPM is _____.
 - (3) COCOMO model is used for _____.
 - (4) What is the meaning of critical path of network?
- (B) Answer the following: (Any one) (02)
- (1) Explain WBS in detail.
 - (2) Explain the term project Management.
- (C) Answer the following: (Any one) (03)
- (1) Explain Empirical project management technique in detail.
 - (2) Explain Timeline charts in detail.
- (D) Answer the following: (Any one) (05)
- (1) Explain PERT chart in detail.
 - (2) Explain the concept of project scheduling and tracking in detail.
- Q-5 (A) Answer followings: (04)
- (1) Full form of VSD is _____.
 - (2) Full form of MPP is _____.
 - (3) Full form of UML is _____.
 - (4) Full form of CAD is _____.
- (B) Answer the following: (Any one) (02)
- (1) Give the definition of UML.
 - (2) Explain Class Diagram with example.
- (C) Answer the following: (Any one) (03)
- (1) Explain Interaction Diagram.
 - (2) Write a note on Microsoft Project.
- (D) Answer the following: (Any one) (05)
- (1) Explain the Goals of UML in detail.
 - (2) Write a note on MS-VISIO.
