



HCU-003-1043001

Seat No. _____

B. Sc. (IT) (Sem. III) (W.I.F.-2016) (CBCS) Examination

October/November – 2017

CS-13 : Sad, Software Quality Assurance & Testing

Faculty Code : 003

Subject Code : 1043001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Attempt the following : 4
- (1) What is business system ?
 - (2) What is system ?
 - (3) Full form of DFD.
 - (4) What is subsystem ?
- (B) Answer in brief : (Any 1 out of 2) 2
- (1) Explain fact finding techniques in brief.
 - (2) Explain software engineering in brief.
- (C) Answer in detail : (Any 1 out of 2) 3
- (1) Explain data dictionary in detail.
 - (2) Explain decision table in detail.
- (D) Write a note on : (Any 1 out of 2) 5
- (1) State the difference between QA and QC.
 - (2) Explain SDLC concept in detail.

- 2** (A) Attempt the following : **4**
- (1) What is software testing ?
 - (2) Define : Inspection.
 - (3) Define : Test suite.
 - (4) Define : Static testing.
- (B) Answer in brief : (Any 1 out of 2) **2**
- (1) Define fault and failure in brief.
 - (2) Define test case and test script in brief.
- (C) Answer in detail : (Any 1 out of 2) **3**
- (1) Explain Greybox testing in detail.
 - (2) Define : Bug, Error and Defect in detail.
- (D) Write a note on : (Any 1 out of 2) **5**
- (1) Explain dynamic testing in detail.
 - (2) Explain Black box testing in detail.
-
- 3** (A) Attempt the following : **4**
- (1) Full form of QTP.
 - (2) What is automated system ?
 - (3) What is Shareware ?
 - (4) What is Freeware ?
- (B) Answer in brief : (Any 1 out of 2) **2**
- (1) Explain Iterative model in brief.
 - (2) Explain Waterfall model in brief.
- (C) Answer in detail : (Any 1 out of 2) **3**
- (1) Explain Load runner in detail.
 - (2) Explain Win runner in detail.

- (D) Write a note on : (Any 1 out of 2) 5
- (1) Write a note on Spiral model.
 - (2) Write a note on V- model.
- 4 (A) Attempt the following : 4
- (1) What is Project management ?
 - (2) Full form of LOC and FP.
 - (3) What is Project scheduling ?
 - (4) What is Project estimation ?
- (B) Answer in brief : (Any 1 but of 2) 2
- (1) Explain automated estimation in brief.
 - (2) Explain efforts estimation in brief.
- (C) Answer in detail : (Any 1 out of 2) 3
- (1) Explain Timeline chart in detail.
 - (2) Write a note on decomposition technique.
- (D) Write a note on : (Any 1 out of 2) 5
- (1) Write a note on PERT chart.
 - (2) Write a note on COCOMO model.
- 5 (A) Attempt the following : 4
- (1) Full form of UML.
 - (2) Full form of CAD.
 - (3) List all types of diagrams.
 - (4) List CAD project management tools.

- (B) Answer in brief : (Any 1 out of 2) **2**
- (1) Explain goals of UML in brief.
 - (2) Explain activity diagram in brief.
- (C) Answer in detail : (Any 1 out of 2) **3**
- (1) Explain cad project management tool for designing and documentation.
 - (2) Explain Class diagram in detail.
- (D) Write a note on : (Any 1 out of 2) **5**
- (1) Write a note on MS Project.
 - (2) Write a note an Use case diagram.
-