P. G. D. C. A. (Sem. II) (CBCS) Examination

October - 2017

CS - 7 : SAD, Software Quality Assurance & Testing

(New Course)

Faculty Code : 003

Subject Code : 1022001

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1 (A) Attempt the following :   **4**

    (1) What is system?

    (2) What is subsystem?

    (3) Full form of SAD.

    (4) What is information system?

  (B) Answer in brief : (Any 1 out of 2)   **2**

    (1) Explain fact finding techniques in brief.

    (2) Explain data dictionary in brief.

  (C) Answer in detail : (Any 1 out of 2)   **3**

    (1) Explain DFD in detail.

    (2) Explain about software engineering in detail.

  (D) Write notes on : (Any 1 out of 2)   **5**

    (1) Write a note on SDLC.

    (2) Write a note on Decision tree and Decision table.

2 (A) Attempt the following :   **4**

    (1) What is software testing?

    (2) List all the types of non functional testing.

    (3) Define : Test Script.

    (4) Define dynamic testing.

(B) Answer in brief : (Any 1 out of 2)   2
    (1) Define bug and error in brief.
    (2) Define test case and test suite in brief.

(C) Answer in detail : (Any 1 out of 2)   3
    (1) Explain Greybox testing in detail.
    (2) Explain Fault and failure in detail.

(D) Write notes on : (Any 1 out of 2)   5
    (1) Explain static testing in detail.
    (2) Give the difference between black box testing and white box testing

3 (A) Attempt the following :   4
    (1) What is automated testing?
    (2) What is shareware?
    (3) Full form of QTP.
    (4) What is freeware?

(B) Answer in brief : (Any 1 out of 2)   2
    (1) Explain Win runner in brief.
    (2) Explain Waterfall model in brief.

(C) Answer in detail : (Any 1 out Of 2)   3
    (1) Explain rational suite in detail.
    (2) Explain prototyping model in detail.

(D) Write notes on : (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) What is 4P?
    (2) Full form of LOC.
    (3) Timeline chart is also known as
    (4) What is Project estimation?

(B) Answer in brief : (Any 1 out 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 COCOMO model in detail.
    (2) Explain Timeline chart in detail.

(D) Write notes on : (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) Full form of UML.
    (2) Full form of QA.
    (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 activities of QA.

(D) Write notes on : (Any 1 out of 2)   **5**
    (1) Write a note on MS Project.
    (2) Write a note on QC.