



Seat No. \_\_\_\_\_

**HQ-003-3032004**

**B. C. A. (Sem. II) (CBCS) Examination**

**April - 2023**

**SAD, Software Quality Assurance and Testing : CS-10**

**Faculty Code : 003**

**Subject Code : 3032004**

Time : **2:30** / Total Marks : **70**

|          |            |  |          |
|----------|------------|--|----------|
| <b>1</b> | <b>(a)</b> | Answer following :                                   | <b>4</b> |
|          |            | (1) Give full form : SDLC.                           |          |
|          |            | (2) Give full form : DFD.                            |          |
|          |            | (3) What is System ?                                 |          |
|          |            | (4) What is business system ?                        |          |
|          | <b>(b)</b> | Answer following : (any 1)                           | <b>2</b> |
|          |            | (1) What is information system ?                     |          |
|          |            | (2) Explain QC.                                      |          |
|          | <b>(c)</b> | Answer following : (any 1)                           | <b>3</b> |
|          |            | (1) Explain record review and observation technique. |          |
|          |            | (2) Explain 2 <sup>nd</sup> level of DFD.            |          |
|          | <b>(d)</b> | Answer following (any 1)                             | <b>5</b> |
|          |            | (1) Explain SDLC in detail.                          |          |
|          |            | (2) Explain decision table in detail.                |          |
| <b>2</b> | <b>(a)</b> | Answer following :                                   | <b>4</b> |
|          |            | (1) What is bug ?                                    |          |
|          |            | (2) What is error ?                                  |          |
|          |            | (3) What is stress testing ?                         |          |
|          |            | (4) What is informal review?                         |          |

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| <p>(b) Answer following : (any one) <span style="float: right;">2</span></p> <p style="margin-left: 20px;">(1) What is static testing ?</p> <p style="margin-left: 20px;">(2) List out the testing levels.</p> <p>(c) Answer following : (any one) <span style="float: right;">3</span></p> <p style="margin-left: 20px;">(1) Explain test harness.</p> <p style="margin-left: 20px;">(2) Explain test suite.</p> <p>(d) Answer following : (any one) <span style="float: right;">5</span></p> <p style="margin-left: 20px;">(1) Explain black box testing in detail.</p> <p style="margin-left: 20px;">(2) Explain test script and test case in detail.</p>  |
| <p><b>3</b> (a) Answer following : <span style="float: right;">4</span></p> <p style="margin-left: 20px;">(1) Give full form QTP.</p> <p style="margin-left: 20px;">(2) Give full form SDM.</p> <p style="margin-left: 20px;">(3) What is software piracy ?</p> <p style="margin-left: 20px;">(4) What is rational suite ?</p> <p>(b) Answer the following : (any one) <span style="float: right;">2</span></p> <p style="margin-left: 20px;">(1) What is shareware ?</p> <p style="margin-left: 20px;">(2) What is freeware ?</p> <p>(c) Answer following : (any one) <span style="float: right;">3</span></p> <p style="margin-left: 20px;">(1) Explain big bang model</p> <p style="margin-left: 20px;">(2) Explain win-runner.</p> <p>(d) Answer following : (any one) <span style="float: right;">5</span></p> <p style="margin-left: 20px;">(1) Explain V model in detail.</p> <p style="margin-left: 20px;">(2) Explain prototyping model in detail.</p> |
| <p><b>4</b> (a) Answer following : <span style="float: right;">4</span></p> <p style="margin-left: 20px;">(1) COCOMO full form is _____</p> <p style="margin-left: 20px;">(2) Give the full form of 4 P's related to project planning.</p> <p style="margin-left: 20px;">(3) Full form of PERT is _____</p> <p style="margin-left: 20px;">(4) Gantt chart is also known as _____ chart.</p> <p>(b) Answer following : (any one) <span style="float: right;">2</span></p> <p style="margin-left: 20px;">(1) Explain LOC.</p> <p style="margin-left: 20px;">(2) Explain Delphi Cost Estimation.</p>   |

(c) Answer following : (any one) 3

- (1) Explain organic, semi-detached mode and embedded mode of software.
- (2) Explain the characteristics of automated estimation tools.

(d) Answer following : 5

- (1) Explain project costing based on metrics.
- (2) Explain types of COCOMO models.

**5** (a) Answer following : 4

- (1) CAD stands for \_\_\_\_\_
- (2) What is an extension of Visio drawing file ?
- (3) Class diagram is used to represent \_\_\_\_\_.
- (4) Actor is used in \_\_\_\_\_ diagrams.

(b) Answer following : (any 1) 2

- (1) What is UML ?
- (2) What is MS-Visio ?

(c) Answer following : (any one) 3

- (1) Draw an activity diagram for college management system.
- (2) Explain class diagram.

(d) Answer following : (any one) 5

- (1) How to create a timeline in Microsoft Project ?
- (2) Explain use case diagram in detail.

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