



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

**H AJ-003-2033001**

**B. C. A. (Sem.-III) (CBCS)  
Examination**

**May - 2023**

**CS-13 : SAD, Software Quality  
Assurance & Testing**

**Faculty Code : 003**

**Subject Code : 2033001**

Time :  $2\frac{1}{2}$  Hours / Total Marks : 70

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|----------|---|----------|
| <b>1</b> | (a) Attempt all :<br>(1) What is Sub System ?<br>(2) What is System Analyst ?<br>(3) Define Decision Tree.<br>(4) Full form of DFD. | <b>4</b> |
|          | (b) Attempt any one :<br>(1) What is Decision Table ?<br>(2) What is Data Decision Tree ?   | <b>2</b> |
|          | (c) Attempt any one :<br>(1) Difference between QA and QC.<br>(2) Explain Fact Finding Techniques.                                  | <b>3</b> |
|          | (d) Attempt any one:<br>(1) Explain SDLC.<br>(2) Explain System Analyst Roles.  | <b>5</b> |
| <b>2</b> | (a) Attempt all :<br>(1) Define Unit testing.<br>(2) Define Bug.<br>(3) Define static testing.<br>(4) Define Usability testing.     | <b>4</b> |

- (b) Attempt any one : 2  
 (1) What is Test plan and Tet Harness ?  
 (2) Define Integrating testing and Performance testing.
- (c) Attempt any one : 3  
 (1) Explain Dynamic Testing.  
 (2) Explain Test Levels.
- (d) Attempt any one : 5  
 (1) Explain Black Box Testing.  
 (2) Explain Non-functional Testing.
- 3** (a) Attempt all : 4  
 (1) Define Freeware.  
 (2) Full form of QTP.  
 (3) What is Win Runner ?  
 (4) Define Automated Testing.
- (b) Attempt any one : 2  
 (1) What is Loud Runner ?  
 (2) What is Licensed tool software ?
- (c) Attempt any one : 3  
 (1) Explain Rational Suite.  
 (2) Explain Prototyping Model.
- (d) Attempt any one : 5  
 (1) Explain V-Model.  
 (2) Explain Prototyping Model.
- 4** (a) Attempt all : 4  
 (1) What is Time Line Chart ?  
 (2) Define Pert Chart.  
 (3) What is Project scheduling ?  
 (4) Define Decomposition.
- (b) Attempt any one : 2  
 (1) Define Task Network.  
 (2) Define Empirical Project Estimation.

- (c) Attempt any one : **3**  
(1) Explain Effort Estimation Techniques.  
(2) Explain Algorithmic methods.
- (d) Attempt any one : **5**  
(1) Explain Project Scheduling Methods.  
(2) Explain Time Line Chart Steps uysing (SDLC Steps)
- 5** (a) Attempt all : **4**  
(1) Extension of MS Visio file.  
(2) Full form UML.  
(3) Define Activity Diagram.  
(4) Define Class Diagram.
- (b) Attempt any one : **2**  
(1) What is Project Management ?  
(2) Why use MS-Visio ?
- (c) Attempt any one: **3**  
(1) Explain UML Diagram.  
(2) Explain MS-Visio with Project Controlling Levels.
- (d) Attempt any one : **5**  
(1) Explain Activity Diagram with suitable example.  
(2) Explain Use Case Diagram with suitable example.
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