

21415

3 Hours / 100 Marks

Seat No.

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- Instructions :** (1) All Questions are *compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.

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| 1. [A] Attempt any THREE of the following : | 12 |
| (a) What is entry and exit criteria of software testing ? | |
| (b) Describe Inspection under static testing. | |
| (c) With the help of diagram describe client-server testing. | |
| (d) What is test plan ? List test planning activities. | |
| [B] Attempt any ONE : | 6 |
| (a) Explain GUI testing with suitable example. | |
| (b) Describe steps in Defect Management Process. | |
| 2. Attempt any FOUR : | 16 |
| (a) What is Black Box testing ? List any four techniques of Black Box testing. | |
| (b) How to select a testing tool ? Explain in detail. | |
| (c) Prepare six test cases for Admission form for college admission. | |
| (d) Enlist any four benefits of automation testing. | |
| (e) Draw the diagram of Defect / Bug life cycle and explain its process. | |
| (f) Draw classification of White Box testing. Explain any one type of White Box testing in detail. | |

- 3. Attempt any FOUR :** **16**
- (a) Describe how to identify responsibilities in testing.
 - (b) Illustrate process of equivalence partitioning with example.
 - (c) State process of Bi-directional Integration testing with two advantages and two disadvantages.
 - (d) Describe how to perform security and performance testing.
 - (e) Define metrics and measurements. Explain need of software measurement.
- 4. [A] Attempt any THREE :** **12**
- (a) How to prepare a test plan ? Explain in detail.
 - (b) Explain static and dynamic testing tools in details.
 - (c) Illustrate defect prevention process of Defect fixing process with diagram.
 - (d) Explain test deliverables in details.
- [B] Attempt any ONE :** **6**
- (a) Explain V-model with labelled diagram.
 - (b) State two objectives of user documentation testing ? Mention any two benefits of user documentation testing.
- 5. Attempt any TWO :** **16**
- (a) Describe test reporting in detail and how to prepare a summary report.
 - (b) With the help of example explain Boundary Value Analysis.
 - (c) Explain following concept related to web-based testing :
 - (1) Usability testing
 - (2) Compatibility testing
- 6. Attempt any FOUR of following :** **16**
- (a) What is defect management ? Give defect classification in detail.
 - (b) Give difference between Quality Assurance and Quality Control.
(Any Four)
 - (c) State how to minimize risk impact while estimating defect.
 - (d) Write 4 test cases for user login form.
 - (e) Describe following testing with example.
 - (1) Security testing
 - (2) Performance testing
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