

17624

11819

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.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

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| 1. (A) Attempt any THREE of the following : | 12 |
| (a) List and describe any four skills of software tester. | |
| (b) Give any four difference between walkthroughs and inspections. | |
| (c) With the help of diagram, describe bidirectional integration testing. | |
| (d) What is test deliverables and milestones ? Give any four types of test deliverables. | |
| (B) Attempt any ONE of the following : | 6 |
| (a) Explain client-server testing with an example. | |
| (b) Explain defect classification with an example. | |
| 2. Attempt any FOUR of the following : | 16 |
| (a) What is user documentation testing ? State any three objectives of user documentation testing. | |
| (b) What are different static and dynamic testing tools ? Explain any one tool in detail. | |
| (c) Describe acceptance testing with its advantages. | |
| (d) Enlist factors considered for selecting a testing tool for test automation. | |
| (e) Explain defect management process with proper diagram. | |
| (f) Explain requirement based testing with it's stages and requirement testing process. | |

- 3. Attempt any FOUR of the following :** **16**
- (a) Draw classification of white box testing. Explain the purpose of code coverage testing.
 - (b) Give any four difference between smoke and sanity testing.
 - (c) Write four test cases for railway reservation system.
 - (d) Describe unit testing with suitable diagram.
 - (e) Define the term metrics and measurements. Explain need of software measurement.
- 4. (A) Attempt any THREE of the following :** **12**
- (a) What are the contents of 'Test Summary Report' used in test reporting ?
 - (b) State any eight limitations of manual testing.
 - (c) Explain defect Report Template with it's attributes.
 - (d) What are different features of test strategies ? Describe any one feature.
- (B) Attempt any ONE of the following :** **6**
- (a) Explain V-Model with labelled diagram. State it's any two advantages and disadvantages.
 - (b) Give any six difference between white box testing and black box testing.
- 5. Attempt any TWO of the following :** **16**
- (a) Explain in detail, how to prepare a test plan with suitable example. Also, explain risk management during test planning.
 - (b) With the help of suitable example, explain the use of decision table in the black box testing.
 - (c) Differentiate between alpha testing and beta testing with parameters.
- 6. Attempt any FOUR of the following :** **16**
- (a) What are different techniques for finding defects ? Explain any one technique with an example.
 - (b) What is test case ? Which parameters are to be considered while documenting test cases ?
 - (c) Explain defect prevention cycle with neat diagram.
 - (d) List and explain any two types of standards in test management.
 - (e) Explain performance testing with an example.
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