

- 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.

1. (a) Attempt any **THREE** of the following : [12]  
(i) List eight traits (properties) of good software tester?  
(ii) What is driver and stub? Explain it with an example.  
(iii) Explain Big-Bang model. List its advantage and disadvantage.  
(iv) What is test plan? List test planning activities.
- (b) Attempt any **ONE** of the following : [6]  
(i) Explain GUI testing with suitable example with diagram.  
(ii) Describe steps in Defect Management Process.
2. Attempt any **FOUR** of the following : [16]  
(a) Explain Black Box testing? List techniques of Black Box testing.  
(b) How to select a testing tool? Explain in detail.  
(c) Prepare four test cases for Admission form for college admission.  
(d) What is automation testing also state its pros, cons and applications in detail.  
(e) Draw the diagram of Defect/Bug life cycle and explain its process.  
(f) Draw classification of White Box testing. Explain Structural type of White Box testing in detail.
3. Attempt any **FOUR** of the following : [16]  
(a) Explain the code coverage in detail.  
(b) Explain static testing in brief.  
(c) State process of Bi-directional Integration testing with two advantages and two disadvantages.  
(d) Describe how to perform security and performance testing with an example.  
(e) Define metrics and measurements. Explain need of software measurement.
4. (a) Attempt any **THREE** of the following : [12]  
(i) Differentiate between Alpha Testing and Beta Testing in brief.  
(ii) Explain static and dynamic testing tools in details  
(iii) Why is it essential to setup criteria for testing? List any three criteria in different situations.  
(iv) Explain test deliverables in details.
- (b) Attempt any **ONE** of the following : [6]  
(i) Describe V-model with labelled diagram. State it's any two advantages and disadvantages. Also write where it is applicable.  
(ii) With the help of example explain Boundary Value Analysis.
5. Attempt any **TWO** of the following : [16]  
(a) Which parameters are considered while writing good defect report? Also write contents of defect template.  
(b) With the help of example explain Equivalence partitioning.  
(c) How test case specifications useful in designing test cases?

6. Attempt any **FOUR** of the following :

- (a) What is defect management? Give defect classification in detail.
- (b) Give difference between Quality Assurance and Quality Control.
- (c) State any four objectives of user documentation testing. How these are useful in planning user documentation test?
- (d) Write 4 test cases for user login form.
- (e) Describe following testing with example.
  - (i) Usability testing
  - (ii) Compatibility testing

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**Paper Discussion Schedule for: T.Y. Diploma Sem. VI**

Date	Day	Timing	Centre
14 April 2018	Saturday	9 a.m. to 11 a.m.	Borivali
14 April 2018	Saturday	12 a.m.to 2 p.m.	Dadar
14 April 2018	Saturday	9 a.m.to 11 a.m.	Thane