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)   Distinguish between Alpha testing and Beta testing.
        (ii) Differentiate between quality assurance and quality control.
        (iii) Explain the terms error and bugs and failure?
        (iv) List and explain any four testing skills for software tester.

    (b) Attempt any **ONE** of the following :   **[6]**
        (i)   Describe any two types of Defect in detail.
        (ii) Explain Inspection Process.

2. Attempt any **FOUR** of the following :   **[16]**
    (a) Difference between White box and Black box testing.
    (b) What is Test Plan? Write any two advantages of test planning.
    (c) Explain Security Testing.
    (d) What are the different points to be noted in reporting defects?
    (e) Describe the Statement Coverage in White Box Testing.

3. Attempt any **FOUR** of the following :   **[16]**
    (a) Illustrate process of Decision Table with an example.
    (b) State process of Bi-Directional/Sandwich Integration testing with labeled diagram. Give its
         any two advantages and disadvantages.
    (c) Explain regression Testing.
    (d) Define software metrics. Describe Product Vs. Process metrics and Objective.
    (e) Explain activities performed by Static and Dynamic testing tools.

4. (a) Attempt any **THREE** of the following :   **[12]**
        (i)   Write the benefits of Automation.
        (ii) Write a note on costs incurred in Testing Tools.
        (iii) State the factors that need to be considered to identify resource requirement by test
              manager? List five test deliverables for test plan.
        (iv) What are the different techniques for finding defects?

    (b) Attempt any **ONE** of the following :   **[6]**
        (i)   Explain Defect management process.
        (ii) State two objectives of user documentation testing. Mention any benefits of user
              documentation testing.

5. Attempt any **TWO** of the following :   **[16]**
    (a) Explain criteria's for selecting test tools.
    (b) With the help of example Boundary Value Analysis.
    (c) Explain following concept related to web-based testing :
        (i)   Usability testing   (ii) Compatibility testing

6. Attempt any **FOUR** of the following :   **[16]**
    (a) Explain entry and exit criteria.
    (b) State how to minimize risk impact while estimating defect?
    (c) What are the types of test reports?
    (d) Illustrate process of Equivalence Partitioning with example.
    (e) State contents of test plan template.

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

Date	Day	Timing	Centre
9 April 2017	Sunday	9 a.m. to 11 a.m.	Dadar, Nerul
9 April 2017	Sunday	12 p.m.to 2 p.m.	Thane

❑ ❑ ❑ ❑ ❑