



Dnyaneshwar Vidyapeeth (Trust)

CENTRAL EXAMINATION BOARD

ASSIGNMENT OF SOFTWARE TESTING & QUALITY

SUB -CODE- (ITE-G740T)

COURSE: ADVANCED TECH-QUIC PROGRAM

SESSION - WINTER

ASSIGNMENT NO. 1 (Assignment Based on Topic No. 1,2)

BRANCH – COMP

Q.1 Answer the following (Questions for 2 marks)

- 1) What is the best feature of the big-bang model of software development?
- 2) Define Verification
- 3) Define Usability Testing
- 4) If a programmer was told that he could name his variables with only eight characters and the first character had to be capitalized, would that be a standard or a guideline?
- 5) Define Boundary Conditions
- 6) Define Quality Assurance (Q A)

Q.2 Answer the following (Questions for 4 marks)

- 1) Why the product specification is usually the largest source of bugs in a software product?
- 2) Why would a software tester feel the spiral model best?
- 3) There are many different ways to draw state transition diagrams, but there are three things that they all show. What are they?
- 4) What is the biggest problem of white-box testing?
- 5) What are the three things that all state transition diagrams must have?

Q.3 Answer the following (Questions for 6 marks)

- 1) Name several tasks that should be performed before a programmer starts writing the first line of code.
- 2) Why is it impossible to test a program completely?
- 3) Name several advantages to perform static white-box testing
- 4) What are the types of code coverage measures? Explain them.
- 5) Can a software tester perform white-box testing on a specification?

Q.4 Answer the following (Questions for 8 marks)

- 1) If you were testing a feature of your software on Monday and finding a new bug every hour, at what rate would you expect to find bugs on Tuesday?
- 2) Explain what is wrong with this specification statements: “When the user selects the compact memory option, the program will compress the mailing list data as small as possible using a Huffman-sparse-matrix approach.”
