



(2 ½ Hours)

[Total Marks: 75]

- N.B. 1) All questions are compulsory.
 2) Figures to the right indicate marks.
 3) Illustrations, in-depth answers and diagrams will be appreciated.
 4) Mixing of sub-questions is not allowed.

Q. 1 Attempt All

(a) Choose the correct alternative from the options given

(10M)

- (i) A deviation from the specified or expected behaviour that is visible to end-users is called _____
 a. error b. fault
 c. failure d. defect
- (ii) How many levels are present in CMM?
 a. 3 b. 4
 c. 5 d. 6
- (iii) SMI stands for _____
 a. Software Mature Indicator b. Software Maturity Index
 c. Software Mature Index d. Software Maturity Indicator
- (iv) Which of the following is not an appraisal cost in SQA?
 a. inter-process inspection b. maintenance
 c. quality planning d. testing
- (v) Exit criteria in test plan mentions _____
 a. When to stop accepting new requirements b. When to stop the code from moving to production
 c. When to stop testing activities d. When to stop from accepting new pieces of code
- (vi) _____ takes into account inputs about singular defects as well as defect priorities, product issues, defect resolution history, developers involved, and the like.
 a. Defect Prevention b. Defect Discovery
 c. Defect Resolution d. Defect Analysis
- (vii) Cost and schedule are a part of _____
 a. Product Metrics b. Process Metrics
 c. Project Metrics d. People Metrics
- (viii) What is not included in prevention costs?
 a. quality planning b. formal technical reviews
 c. test equipment d. equipment calibration and maintenance
- (ix) In which of the following type of testing, testing is done without planning and documentation?
 a. Unit testing b. Retesting
 c. Ad hoc testing d. Regression testing

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- Q. 5 Attempt the following (Any FIVE) (15)
- (a) Define the terms: error, fault and failure.
 - (b) Distinguish between White box and Black box testing.
 - (c) State the objectives of Testing.
 - (d) What is the difference between function-point metrics and feature-point metrics?
 - (e) Discuss the differences between Alpha and Beta testing
 - (f) What are the guidelines for review.
 - (g) What is Run chart? How to create & interpret it?
 - (h) Discuss the concept of Software Safety.

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