

Dr. Babasaheb Ambedkar Open University
Term End Examination July-2016

Course	: BCA	
Subject Code	: BCA – 403	Total Marks : 70
Subject	: Software Engineering	Duration : 03 hours
Date	:	Time :

Section A

Attempt any Three of the following:

(30)

1. What is a Software Development Process? Explain it.
2. Define various levels of CMM model and explain it.
3. Explain about Software risk management?
4. Explains about software testing strategy?
5. Explain the view of project managers in terms of education provided to team members.

Section B

Write short notes on any four.

(20)

1. Explain about Incremental Development.
2. Explain WBS.
3. What do you mean by standard processes and procedures followed by Software? Explain it.
4. Explain COCOMO model.
5. Explain about verification and validation in terms of software.
6. Explain about testing Artifacts.

Section C

(A) Choose correct answer

(10)

- 1 Software Inspection could be carried out by _____.
a. New joined b. New developer c. Trained quality checker d. None of above
- 2 _____ Cost estimation approach is based on past experience.
a. Heuristic b. Empirical c. Analytical d. None of these
- 3 The principles of Scientific management are published by _____.
a. Henry Gantt b. Frederic Taylor c. Both of this d. None of these.
- 4 Prototyping is a _____ process.
a. Iterative b. Linear c. Incremental d. None of these.
- 5 Contingency planning defines _____.
a. Function of quality management c. Software Development process.
b. Function of risk management. d. None of these.

- 6 Risk Management means _____.
- Delay in work due to risk
 - Dealing with risk efficiently with no delay in project
 - Analyzing risk and its impact
 - None of these.
- 7 _____ is not an example of Product metrics.
- Distribution of effort.
 - Design complexity
 - Program size
 - Reliability
- 8 User Acceptance testing is also known as _____.
- Alpha testing
 - Grey box testing
 - Beta Testing
 - Unit testing
- 9 If you were a lead developer of a software company and you are asked to submit a project within a stipulated time-frame with no cost barriers, which model would you select?
- Waterfall
 - Spiral
 - RAD
 - Incremental
- 10 Function test result will carry _____.
- Username
 - Expected Result
 - Password
 - All of these

(B) True or False.

(10)

- Verification is a process which finds out whether the software is meeting the required business needs during the final product.
 - Tailoring is tool for quality assurance.
 - Loc and FP are the software sizing measures.
 - Walkthrough is a procedure that explains about process.
 - In CMM initial level depends on Higher Authority Decision.
 - Glass box testing involves internal system design.
 - Baseline is used in configuration management.
 - Ray Leigh Curve is used to measure risk.
 - SDLC Models are adopted as per requirements of development process. It may vary Software-to-software to ensuring which model is suitable.
 - Requirements Analysis is an Iterative Process.
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