

(A-6) Seat No _____

No of Pages: 2

SC

SARDAR PATEL UNIVERSITY

BCA Semester – V Examination

Thursday,

Time: 10:30 a.m to 01:30 p.m

US05BCA03: Software Engineering

(NC)
12th May 2016

Total Marks: 70

Q. 1 Multiple choice Questions.

[10]

- 1 _____ is the collection of computer programs, procedures and data.
A Hardware B Software
C Network D Engineering
- 2 Which phase is requires to understand the problem?
A System Design B Coding
C Requirement Analysis D Testing
- 3 KDLOC means _____.
A Kilogram Developed Line of Code B Kilogram Delivered Local Code
C Thousands Delivered Local Code D Thousands Delivered Line of Code
- 4 (SQAP) means _____.
A Software Quality Assurance Plan B System Quality Appearance Plans
C Software Quick Activity Plans D System Quantity Assurance Process
- 5 The form which can be filled up daily or weekly to maintain monitoring and plan activity are known as _____.
A UDF B Time sheets
C Cost Schedule Milestone graph D Reviews
- 6 In functional abstraction the module considered as _____ for detail design.
A White box B Black box
C Compiled box D None
- 7 Which of the following is a tool in design phase?
A Abstraction B Refinement
C Information Hiding D All of them
- 8 The structural approach is sometimes called? White box testing.
A. glass-box testing B. Graph testing
C. regression testing D. Black-box testing
- 9 In static structure of a program the text of the program is in _____ organization.
A. structured B. linear
C. static D. None of these
- 10 A failure is produced only when there is a _____ in the system.
A. error B. bug
C. fault D. problem

[P.T.O]

①

Q-2 Short Questions (any Ten) (Each have 2 Marks) [20]

- 1 Write a short note on requirement analysis phase.
- 2 Explain error distribution.
- 3 What are the limitations of Waterfall model?
- 4 Justify the following.
"A high quality SRS reduces development cost"
- 5 What do you mean by "Automated Cross Referencing".
- 6 List down at least 8 variables of COCOMO model.
- 7 Explain V & V technique for SQAP.
- 8 Differentiate between Top-down and Bottom-up approaches for Design.
- 9 Define: Module and Modular System.
- 10 What do you mean by structured programming?
- 11 Define Error, fault, failure (any two).
- 12 Write the goal of coding.

Q-3 Explain phases of software development. [10]

OR

Q-3 Explain waterfall model. [10]

Q-4

A What is SRS? Explain needs of SRS. [6]

B What is specification language? [4]

OR

A What you mean by SRS? Explain Components of SRS. [6]

B Explain Single variable model for cost estimation. [4]

Q-5

A Discuss the basic principles of design in detail. [5]

B What is module specification? [5]

OR

A Write a brief note on Structured design. [5]

B What is detail design? Explain module specification techniques in detail. [5]

Q-6

A Explain the Top-Down and Bottom-Up approach in testing phase. [5]

B Differentiate between Functional testing and Structural testing. [5]

OR

A Explain the structured programming used in coding. [5]

**B What do you mean by the internal coding in documentation?
Explain it (internal documentation). [5]**

*****All the Best*****

