DAA-003-007401   Seat No. _____

M. C. A. (Sem. - IV) (CBCS) Examination

May / June – 2015

CCA - 4001 : Software Engineering

Faculty Code : 003

Subject Code : 007401

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instructions : Write answers of all the questions in main answer sheet.

1   Answer the following multiple choice questions.   **15**

(1)   Which of the items listed below is not one of the software engineering layers?

(A)   Process   (B)   Manufacturing

(C)   Methods   (D)   Tools

(2)   The Spiral model work as _____ direction.

(A)   Anticlock   (B)   Clockwise

(C)   Both (A) & (B)   (D)   None of this

(3)   CMMI Level 3 is _____

(A)   Managed   (B)   Defined

(C)   Incomplete   (D)   Performed

(4)   Who is developed ASD Model?

(A)   Kent Beck   (B)   Highsmith

(C)   Jeff Sutherland   (D)   None of these

(5) _____ occurred during the late 1980.

    (A) XP   (B) Scrum

    (C) ASD   (D) DSDM

(6) The spiral model of software development is used to deliver software product. Statement is

    (A) True   (B) False

    (C) Cannot Say   (D) None of these

(7) Preliminary Set of solution requirements sometimes called _____

    (A) Application   (B) Definition

    (C) FAST   (D) All of the above

(8) The Activity Diagram is quite similar to the _____.

    (A) Class diagram   (B) State diagram

    (C) Use case   (D) Flowchart

(9) _____ provide a identifying and organizing the classes that are relevant to system or product Requirements.

    (A) Management   (B) Association

    (C) Modeling   (D) CRC

(10) CSPEC stands for

    (A) Class Specification

    (B) Condition Spicification

    (C) Common Spicification

    (D) Control Specification

(11) The design of _____ interfaces requires definitive information about the entity to which data is sent or received.

(A) External   (B) User

(C) Internal   (D) Other

(12) The alpha test is conducted at the _____ site.

(A) End user   (B) Developer

(C) Testing Team   (D) All of the above

(13) In interface errors are removed.

(A) Unit Testing   (B) Validation Testing

(C) System Testing   (D) Integration Testing

(14) In _____ approach the child modules are developed first.

(A) Top down

(B) Bottom up

(C) Top down and Bottom up

(D) None of these

(15) _____ first proposed Basis Path testing.

(A) Baris Beizer   (B) Tsuneo Yamaura

(C) Tom McCabe   (D) None of these

2   Answer **any five** of the following: 15

(1) Write a short note on alpha testing.

(2) Explain behavioural Modeling.

(3) Explain Human factors in agile.

(4) Write a brief description in RAD Model.

(5) Explain Negotiating requirement.

(6) Explain Scrum model.

3   Attempt **any three** of the following :   15

   (1) Write a note on Data Objects, Relationships and Cardinality.

   (2) Drown one use case and explain.

   (3) Explain Domain Analysis.

   (4) Explain Cohesion and Coupling.

4   Attempt **any two** of the following: 15

   (1) Explain Design Concepts Elements.

   (2) List out Process models and explain any three.

   (3) Explain Unit testing and Integration testing.

5   Attempt **any one** of the following: 10

   (1) Describe in brief CRC Model and Activity diagram.

   (2) Explain any three Agile models.

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