C.U.SHAH UNIVERSITY
Winter Examination-2018

Subject Name : Software Engineering-I

Subject Code : 4CS05SWE1   **Branch: M.Sc. C.A. & I.T. (Integrated)**

Semester : 5   **Date : 28/11/2018**   **Time : 10:30 To 01:30**   **Marks : 70**

Instructions:
 (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 (2) Instructions written on main answer book are strictly to be obeyed.
 (3) Draw neat diagrams and figures (if necessary) at right places.
 (4) Assume suitable data if needed.

Q-1   **Attempt the following questions:**   **(14)**

 1 RAD stands for
   a) Relative Application Development
   b) Rapid Application Development
   c) Rapid Application Document
   d) None of the mentioned
 2 Which one of the following is not a phase of Prototyping Model?
   a) Quick Design
   b) Coding
   c) Prototype Refinement
   d) Engineer Product
 3 What is a Software ?
   a) Software is set of programs
   b) Software is documentation and configuration of data
   c) Software is set of programs, documentation & configuration of data
   d) None of the mentioned
 4 What are the types of requirements ?
   a) Availability
   b) Reliability
   c) Usability
   d) All of the mentioned
 5 Project managers have to assess the risks that may affect a project.
   a) True
   b) False
 6 A 66.6% risk is considered as
   a) very low
   b) low
   c) moderate
   d) high
 7 In Design phase, which is the primary area of concern ?
   a) Architecture
   b) Data
   c) Interface

d) All of the mentioned

8 The spiral model was originally proposed by
a) IBM
b) Barry Boehm
c) Pressman
d) Royce

9 Define Testing.

10 White Box techniques are also classified as
a) Design based testing
b) Structural testing
c) Error guessing technique
d) None of the mentioned

11 What are the various Testing Levels?
a) Unit Testing
b) System Testing
c) Integration Testing
d) All of the mentioned

12 Which of the following is not a diagram studied in Requirement Analysis ?
a) Use Cases
b) Entity Relationship Diagram
c) State Transition Diagram
d) Activity Diagram

13 How many feasibility studies is conducted in Requirement Analysis ?
a) Two
b) Three
c) Four
d) None of the mentioned

14 How many phases are there in Requirement Analysis ?
a) Three
b) Four
c) Five
d) Six

Q-2		**Attempt all questions**	**(14)**
	1	Differentiate Program with Software Products	7
	2	Explain Spiral Model	7
Q-3		**Attempt all questions**	**(14)**
	1	Discuss Waterfall Model	7
	2	Explain Why Software engineering – a layered technology	7
Q-4		**Attempt all questions**	**(14)**
	1	Write a note on Requirement analysis	7
	2	What is Object oriented analysis	7
Q-5		**Attempt all questions**	**(14)**
	1	Discuss Cohesion and Coupling	7
	2	Discuss Black box testing, White box testing,	7
Q-6		**Attempt all questions**	**(14)**
	1	Explain Verification and Validation	7
	2	Write a note on Unit testing and System testing	7
Q-7		**Attempt all questions**	**(14)**
	1	Write a note on Risk Management	7
	2	Discuss Project Planning	7

Q-8   **Attempt all questions**   **(14)**
   1   Discuss COCOMO Model   **7**
   2   Write a note on Risk Identification   **7**