C.U.SHAH UNIVERSITY
Wadhwan City

Subject Code : 5CS02SET1   **Summer Examination-2014**   Date: 20 /06/2014
Subject Name:- Software Engineering
Branch/Semester:-M.Sc(IT)/II   **Time:02:00 To 5:00**
Examination: Regular

Instructions:-
(1) Attempt all Questions of both sections in same answer book / Supplementary
(2) Use of Programmable calculator & any other electronic instrument is prohibited.
(3) Instructions written on main answer Book are strictly to be obeyed.
(4) Draw neat diagrams & figures (If necessary) at right places
(5) Assume suitable & Perfect data if needed

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SECTION-I

Q-1 Define following terms   **(7)**
    (a) Testing
    (b) Software Engineering
    (c) Coding
    (d) Object Oriented Design
    (e) Data and Information
    (f) Design
    (g) Class

Q-2 (a) Write a Short note on : **"Application of Software Engineering "**   (5)
    (b) What is P ? Explain 3-P in brief.   (5)
    (c) "Software engineering   is a layered technology " Explain it.   (4)

OR

Q-2 (a) What is Unit testing ? Explain with example   (5)
    (b) Explain the Role of System Analyst   (5)
    (c) Discuss OOA(Object Oriented Analysis) in brief.   .   (4)

Q-3 (a) Explain V- Software Engineering Model.   (7)
    (b) What is Risk ? Explain Risk Management.   (7)

OR

  (a) What is Agile Software Engineering ? Explain.   (7)
  (b) What is System testing ? Explain with Example   (7)

SECTION-II

Q-4 Define following terms   **(7)**
    (a) Software Engineer
    (b) Cost Estimation
    (c) Project Scheduling
    (d) Risk Projection
    (e) Risk Identification
    (f) Product
    (g) Software Method

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Q-5 (a) Differentiate White Box Testing and Black Box testing   (5)
    (b) Explain Software Engineering Myth .   (5)
    (c) What is Agent Oriented Software engineering ? Explain it.   (4)

<div align="center">**OR**</div>

Q-5 (a) Explain Software Matrices in brief.   (5)
    (b) Differentiate System Analysis **and** Software Engineering   (5)
    (c) What is CASE Tools ? Explain it.   (4)

Q-6(a) Explain Spiral Software engineering Model in brief.   (7)
    (b))Explain RAD Software engineering Model With Diagram and Example   (7)

<div align="center">**OR**</div>

Q-6(a) Explain incremental Model with all stages of Software engineering   (7)
    (b) Draw the Data Flow Diagram of **'STUDENT INFORMATION SYSTEM'** with
following modules
      (I) Student Personal Detail
      (II) Fees Detail
      (III) Result Detail   (7)

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