

Enrollment No:- _____

Exam Seat No:- _____

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 5CS02SET1

Subject Name: Software Engineering

Course Name: M.Sc. (IT)

Date: 18/5/2015

Semester: II

Marks: 70

Time: 02:30 TO 05:30

Instructions:

- 1) Attempt all Questions in same answer book/Supplementary.
 - 2) Use of Programmable calculator & any other electronic instrument 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 Answer the Following (7)
- 1 Write any two characteristics of Software (2)
 - 2 What is class and design (2)
 - 3 What is object oriented design (1)
 - 4 Define term Process and Information (2)

- Q.2 Answer the Following
1. What do you mean by the term “Software Engineering”? Explain Software Engineering as a Layered Technology. (7)
 2. Define the term software process model. Compare the spiral models of software development with prototyping model. (7)

OR

- Q.2 Answer the Following
1. What is requirement engineering? Describe the seven distinct tasks encompassed in requirement engineering. (7)
 2. Discuss Requirements validation in Brief (7)
- Q.3 Answer the Following
1. What is Unit testing? Explain with example (7)
 2. Discuss OOA (Object Oriented Analysis) in brief. (7)

OR

- Q.3 Answer the Following
1. Discuss Object Oriented Testing Methods. (7)
 2. Write a note on Domain Analysis (7)

SECTION-II

- Q.4 Answer the Following (7)
1. Define Verification and Validation (2)
 2. Discuss Top-Down and Bottom-Up Integration Testing (2)
 3. What is Black box Testing? (2)
 4. What is Software Testing? (1)
- Q.5 Answer the Following
1. What is white box testing? Why it is required? Discuss different techniques of it. (7)

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18-5

2. What is CBSE? Explain domain engineering (7)

OR

Q.5 Answer the following

1. What is clean room software engineering? Discuss clean room design (7)

2. What is alpha and beta Testing? (7)

Q.6 Answer the Following

1. Discuss Object Relationship Models (7)

2. Write a note on clean room testing (7)

OR

Q.6 Answer the Following

1. Discuss Object Oriented Testing Methods. (7)

2. Write a note on Object Behavior Model. (7)

