Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Summer Examination-2019

Subject Name : Software Engineering
Subject Code : 4CS05ISE1   **Branch: B.Sc.I.T.**
Semester: 5   Date : 16/03/2019   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)**

  a) What is testing?   1
  b) What is coding?   1
  c) LOC stands for _____   1
          (a) LOCK OF CODE   (b)LOCK OF CASE
          (c) LINES OF CODE   (d)LINES OF CASE
  d) Software engineering is **"layered"** Technology- **State True or False**   1
  e) What is the Full Form of COCOMO Model?
  f) Which one is not software engineering Model?   1
          (a) Cocomo Model (b) Sprial Model (c) Rapid data Model (d) None
  g) Coupling and Cohesion can be represented using a   1
          (a) Cause-Effect graph (b) Dependence Matrix
          (c) Structure Chart   (d) SRS
  h) _____ phase is not available in Software Engineering.   1
          (a) Coding (b)Testing (c) Maintenance (d) Abstraction
  i) What is Software?   1
  j) What is the Full Form of RAD Model?   1
  k) What is Scheduling?   1
  l) What is Risk?   1
  m) _____ Means, are we building the right product?   1
          (a) Verification (b) Validation (c) A and B (d) None of these
  n) What is the Full Form of UML   1

Attempt any four questions from Q-2 to Q-8

Q-2   **Attempt all questions**   **(14)**
  (a) Write a brief note on **"Risk Management"**.   **8**
  (b) Write a brief note on **"Coupling and Cohesion"**.   **6**

Q-3   **Attempt all questions**   **(14)**
  (a) Explain Spiral Model with necessary diagram   **7**

(b)	Explain COCOMO Model with necessary diagram		**7**

Q-4		**Attempt all questions**	**(14)**
	(a)	Explain Class Diagram with suitable example.	**7**
	(b)	Write a brief note on "**Software Re-engineering".**	**7**

Q-5		**Attempt all questions**	**(14)**
	(a)	Explain Black-Box Testing in brief.	**7**
	(b)	**Differentiate** : *"White Box Testing **Versus** Black Box Testing"*	**7**

Q-6		**Attempt all questions**	**(14)**
	(a)	**Differentiate** *"Program **Versus** Software Product"*	**8**
	(b)	Explain Metrics for project size estimation in LOC	**6**
Q-7		**Attempt all questions**	**(14)**
	(a)	What is Prototype? Explain Prototyping Model in brief.	**7**
	(b)	Explain Class Diagram with suitable example.	**7**

Q-8		**Attempt all questions**	**(14)**
	(a)	Draw and Explain Waterfall Model in brief.	**7**
	(b)	What is SQA? Explain SQA in brief.	**7**