Paper / Subject Code: 56105 / Software Engineering

(3 Hours) **[Total Marks : 100 Marks]**

Please check whether you have got the right question paper

Note: 1) Q1. is compulsory
2) Attempt any **Four** Questions from remaining **six** questions.

Q1.	A)	Explain the term Software Requirement Specification. Explain the features of good SRS.	10
	B)	Consider the database application with following information: 1) It has 5 screens with 5 views, 6 data tables for 3 servers and 4 clients; 2) It may generate 2 reports of 5 sections from 6 data tables for 2 servers and 3 clients. 3) There is 10% reuse of object points. Developers experience and capability is low. Calculate object point count and new object point count and efforts to develop such a project.	10
Q2.	A)	Define SQA and explain Mc Call's software quality model in details.	10
	B)	Define module coupling and module cohesion. Also explain different types of coupling in detail.	10
Q3.	A)	Define staffing level estimation. Explain Rayleigh curve. Also state effect of schedule change on cost.	10
	B)	What are size metric? How function point metric is advantageous over LOC metric? Explain.	10
Q4.	A)	What is software engineering? Explain the role of management in software development.	10
	B)	Explain Degree of Rigor, Task set selector and Task network	10
Q5.	A)	Define software reliability. Explain different reliability metrics. Explain one reliability growth model.	10
	B)	Discuss various types of COCOMO . Explain phase wise distribution of effort.	10
Q6.	A)	Define proactive risk strategy. Explain how risk projection activity is performed.	10
	B)	What do you mean by system testing? List and explain different kinds of system testing.	10
Q7.		Write Short notes on (any Four) (a) Software Configuration Management (b) Software reengineering (c) DFD (d) Art of debugging (e) Make buy decision	20
