Subject : 503 Software Engineering   Code : 21548

Time 1:30 hours   0 7 DEC 2020   Marks: 42

Instructions:

Attempt any three questions out of four.

Q-1:	What is Software Engineering? Write various steps of Software Development Life Cycle	**[14]**
	OR	
Q-1:(A)	Explain Waterfall Model with all phases.	**[07]**
Q-1:(B)	For which type of software development, Prototype Model Suitable? Write detailed note on Prototype Model.	**[07]**
Q-2	Explain various types of Team Structure in detail.	**[14]**
	OR	
Q-2:(A)	Differentiate between Verification and Validation. Explain both in detail with suitable examples.	**[07]**
Q-2:(B)	Differentiate between Coupling and Cohesion. Explain Cohesion in detail.	**[07]**
Q-3	Write detailed note on various testing methods.	**[14]**
	OR	
Q-3:(A)	Explain various levels of Testing.	**[07]**
Q-3:(B)	Write a shot note on programming practice.	**[07]**
Q-4	What is UML? Explain its components in detail.	**[14]**
	OR	
Q-4:(A)	What is functional approach? Differentiate between functional and object oriented approach.	**[07]**
Q-4:(B)	Explain Hospital Management System as a case study of UML.	**[07]**

નોંધ:

- પ્રશ્નપત્રનો સમય ૧.૩૦ કલાકનો રહેશે.
- પ્રશ્નપત્રમાં ૪ પ્રશ્નોમાંથી કોઇ પણ ત્રણ પ્રશ્નોના જવાબ આપવાનો રહેશે.
- દરેક પ્રશ્નના ગુણ એકસરખા (૧૪ માર્કના) રહેશે. પ્રશ્નપત્ર કુલ ૪૨ માર્કસ નું રહેશે.