National Institute of Technology Kurukshetra

BTech(IT) 3rd Semester End Term Exam, Nov/Dec 2020

Course Code: ITPC-27	Maximum Marks: 50
Course Name: Software Engineering	Time Allowed: 2:30 Hours
Total No. of questions to be attempted: 05	Total No. of Questions: 06

Note: Question no.01 is compulsory. Attempt any four questions between Q no. 02 to 06.

Q. 1	Answer the following (briefly)	(2*5)
	a) Describe the characteristics of an SRS document.	
	b) Define Software metrices.	
	c) What are the characteristics to be considered for the selection of the life	
	cycle model?	
	a) Write chart notes on following	
	(i) Data flow diagram	
	(i) Data flow diagram	
	(<i>ii</i>) Data dictionary.	
(Attempt any 04 Questions, between Q.No 02-06)		
Q. 2	a) What is Fuction point analysis (FPA)	(5,5)
	b) Discuss the differences between object-oriented and function-oriented design. Which design strategy is most popular and practical?	1
03	a) Describe all the steps in Requirement Analysis.	(5,5)
Q. 3	b) What is coupling and cohesion? Discuss in brief with their types.	(3,3)
0.4	a) Difference between verification and validation.	(5,5)
C	b) What are the objectives of testing? Differentiate between integration	
	testing and system testing.	
Q. 5	a) List the advantages of using waterfall model instead of adhoc build and finance data	(5,5)
	model?	0
	on the overall cost of the project?	e
0.6	a) Describe the post architecture model?	(5,5)
Q. U	b) Define Risk assessment and Risk control?	

Course Coordinator: Dr. Vikram Singh (viks@nitkkr.ac.in , 88160 86589) Exam Date: 17 Dec 2020