## SVKM'S NMIMS

## MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Program: B. Tech (Computer)		Year: III Semeste	er : V /
S	Academic Year: 2018-2019	STITUTE OF MAN	IAGO
Subject: So	oftware Engineering	Marks: 70	· The
Date: 15 January 2019		Time: 2.00 pm to 5.0 Durations: 3 (hrs)	0 pm
		No. of Pages ON WERS	
	<b>Re-examination (2017-18/2018-</b>	19)	
	uctions: Candidates should read carefully the instructions printed or of the Answer Book, which is provided for their use.  1) Question No. 1 is compulsory. 2) Out of remaining questions, attempt any 4 questions. 3) In all 5 questions to be attempted. 4) All questions carry equal marks. 5) Answer to each new question to be started on a fresh page.	n the question paper and o	on the
	<ul><li>6) Figures in brackets on the right hand side indicate full marks.</li><li>7) Assume suitable data if necessary.</li></ul>		
Q.1 a) b)	Design Data Flow Diagram(Level 0, 1 & 2) for "amazon.com online s Explain the three characteristics of software, also explain which perspet for business applications and why?		[7] [3] [4]
Q.2 · a)	Which evolutionary process model is suitable for "amazon.com online shopping system".		[7]
b) O.3	Explain the model with neat diagram.  b) What is control structure testing? Explain the loop testing with suitable diagrams.  Q.3		[7]
a) b)	List and Explain the four different models in the design and analysis of Explain the working of top down integration testing with its advantages	the four different models in the design and analysis of user interface. king of top down integration testing with its advantages and disadvantages.	
Q.4 a)	Why Partitioned Architecture design required? Explain Vertical and hor architecture with neat diagram.	rizontal partitioned	[7]
b) Q.5	Explain process and project metrics. How it will help the organization to		[7]
a) b)	Explain Extreme Programming (XP) agile model with its key features a Find the software cost estimation and time estimation for "college Function Point estimation. Consider the project is of average complex of External Input, External Output, External Inquiries, Internal Log Interface File is 4, 5,4,10 and 7 respectively. Write down the assumption	admission system" using ity. The weighting factor gical Files, and External	[7] [7]
Q.6 a) b)	Design the Control Flow Diagram(CFD) for "amazon com online shopp Which architectural style is suitable for college blackboard system? Exp		[7] [7]
Q.7 a) b)	List and Explain the Software Quality Assurance tasks in detail. Explain the role and content of the SCM Repository with neat figure.		[7] [7]