## KONGU ENGINEERING COLLEGE, PERUNDURAI 638 060

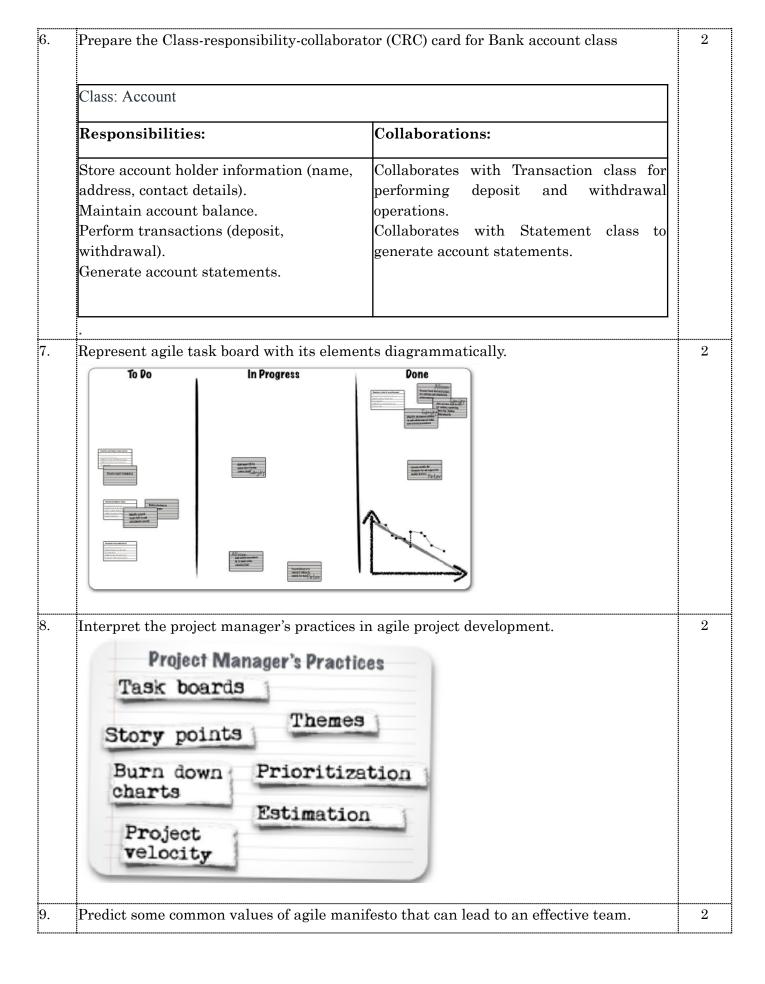
## CAT 1 - ANSWER KEY

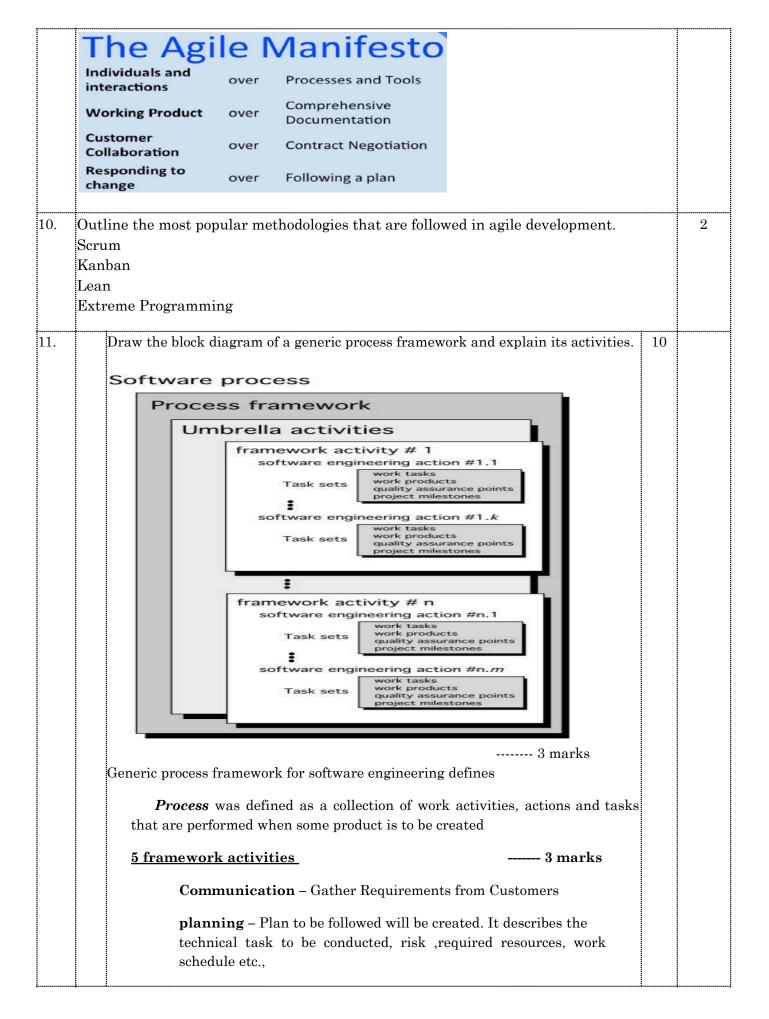
Course Code : 22CSC51

Course Name: Agile Methodologies

Test Date : 02.09.20224

1.	Identify the collections of a process that are performed when some work products are to be created.					
	Activities Actions Tasks					
2.	Outline the umbrella activities that occur throughout the software process.  Project tracking and control, risk management, quality assurance, configuration management, technical reviews, reusability, documentation and Measurement.					
3.	Infer the various requirements engineering task.  inception, elicitation, elaboration, negotiation, specification, validation, and management					
4.	List two examples of software projects that would be amenable to the prototyping model on your perspective. Be specific.  Custom E-Commerce Website for a Niche Market Healthcare Mobile App for Patient Self-Monitoring Virtual Reality (VR) Training Simulator for Workplace Safety					
5.	Draw a use case model for activities involved in ordering food in a restaurant from the point when the customer enters into the restaurant to the point when he leaves the restaurant  Use Case Of Android Restaurant Ordering System  Add new item to food menu  Create account  Order food  Gextends  Delete item from food menu  Reserve table  Edit prices on food menu  View Transactions  Send notification on ready order  View Transactions	2				





		1	ling - A model will be creat rements	ed to better understand the		
		Construction – Code generated and tested  Deployment - Complete or partial complete version of software is given to the customer to evaluate and they give feed back based on the evaluation				
		a set of umbrella activities —— 2 marks  — Project tracking and control, risk management, quality assurance, configuration management, technical reviews, reusability, documentation and Measurement.				
		A task set define software engineer		to accomplish the objectives of a 2 marks		
		<ul> <li>A list of the task to be accomplished</li> <li>A list of the work products to be produced</li> <li>A list of the quality assurance filters to be applied</li> </ul>				
12.	a	Compare traditional waterfall model with spiral model				5
		Aspect	Waterfall Model	Spiral Model		
		Development Approach	Linear and sequential	Iterative with risk analysis		
		Phases	Phases are executed one after the other	Phases are repeated in spirals (iterations)		
		HIEVINIIIV	Rigid, difficult to change requirements	Flexible, allows for changes during each cycle		
		Risk Handling	Minimal risk assessment	Extensive risk assessment and mitigation		
			Involvement primarily at the beginning	Ongoing involvement throughout the cycles		
		L'act Ectimation	Easier to estimate once requirements are fixed	Difficult to estimate due to iterative nature		
		RACT SHITAN HAR	Small, simple projects with well-defined requirements	Large, complex, high-risk projects		
		HTAPATIAN	No iteration; each phase is completed once	Multiple iterations with refining of the product		
		Testing	Testing occurs after development is complete	Testing occurs in each iteration		
			Higher if requirements are not well understood initially	Lower due to continuous risk assessment		
	b	<ul> <li>With a neat sketch, explain in detail about requirement elicitation and analysis</li> <li>Analysis of requirements starts with requirement elicitation.</li> <li>The requirements are analyzed to identify inconsistencies, defects, omission, etc.</li> </ul>				5

