

**VIT**Vellore Institute of Technology
(Deemed to be University under section 3 of UGE Act, 1956)Reg. No : 23MCA 1030
Name : Vinayak Kumar
Singh**Continuous Assessment Test I – September 2023**

Programme :	Master of Computer Application (M.C.A)	Semester :	FALL 23-24
Course :	Software Engineering	Code :	PMCA504L
Faculty :	Dr. Prakash B	Slot :	D1
		Class Nbr :	CH2023240101718
Time :	1½ Hours	Max. Marks :	50

Answer ALL the Questions:

Q.No.	Sub. Sec.	Question Description	Marks
1.		<p>'HFBC Fincal' is a leading financial organization that offers various kinds of loans to both individuals and corporates for their business needs (For eg., home, education, business, vehicle and personal loans). The client asked your team to automate the process and develop a software system to manage the end-to-end loan processing.</p> <p>Suggest the most appropriate software process model to build the above system and elaborate the process involved in developing the same with its advantages and limitations.</p> <p><u>The assumptions are:</u></p> <p>The Client expects your team to adopt traditional process model and deploy the system on multiple versions.</p> <p>Clients do not have any prior experience and not familiar with the requirements.</p> <p>You have been requested to complete the development within 18 months of time.</p>	10
2.		Identify and elaborate the various types of requirements for the application mentioned in Question-1 and represent the same as per the recommended standard.	10
3.		Discuss in detail about the Requirements Engineering (RE) process involved in developing the application mentioned in Question-1.	10
4.		Draw the Use-Case and sub Use-Case diagram (any three use-cases) for the system mentioned in Question-1.	10
5.		For the system mentioned in Question-1, identify the classes and design a class diagram for home loan booking system with appropriate relationships and cardinalities.	10