Code No.: CS405PC

R20   H.T.No. ☐ ☐ 8 R ☐ ☐ ☐ ☐

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Regular) - June- 2022
SOFTWARE ENGINEERING
(Common to CSE, IT)

[Time: 3 Hours]   [Max. Marks: 70]

Note: 1. Answer *any FIVE questions. Each question carries 14 marks.*
2. *All questions carry equal marks.*
3. *Illustrate your answers with NEAT sketches wherever necessary.*

5X14=70

1.	a)	Explain in detail about the Capability Maturity Model Integration (CMMI) model.	[7M]
	b)	Discuss the advantages of layered technology.	[7M]
2.	a)	The functional requirements specification of a system should be both complete and consistent". Interpret this statement with relevant examples.	[7M]
	b)	Discuss your knowledge of how an ATM is used; develop a set of use-cases that could serve as a basis for understanding the requirements for an ATM system?	[7M]
3.	a)	Discuss the fundamental principles of structured design?	[7M]
	b)	Explain software design? Explain data flow oriented design?	[7M]
4.	a)	Compare validation testing and system testing?	[7M]
	b)	Explain strategic approach to software testing.	[7M]
5.	a)	Explain about RMMM Plan?	[7M]
	b)	Elaborate on risk projection steps.	[7M]
6.	a)	Justify how does system engineering differ from software engineering? Explain.	[7M]
	b)	Define software and explain the various characteristics of software?	[7M]
7.	a)	Explain how requirements are managed in software project management?	[7M]
	b)	Describe four types of non-functional requirements that may be placed on a system. Give examples of each of these types of requirement?	[7M]
8.	a)	Discuss a brief note on Class Diagram with example.	[7M]
	b)	Explain about building blocks of UML.	[7M]

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