CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–I–Semester End Examinations (Supply) - December- 2024
SOFTWARE ENGINEERING
(Common for CSC, CSD, CSM)

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

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A   (20 Marks)

1. a)	What is legacy software?	[2M]
b)	Explain about the waterfall model.	[2M]
c)	What is functional requirement?	[2M]
d)	Describe data models.	[2M]
e)	What are architectural styles?	[2M]
f)	What are the goals of the design process?	[2M]
g)	Define integration testing	[2M]
h)	Explain about metrics for source code.	[2M]
i)	What is SQA?	[2M]
j)	What are the different categories of risks?	[2M]

PART-B   (50 Marks)

2.	Define process model. What are evolutionary process models? Explain in detail.	[10M]
	OR	
3.	Explain about process assessment.	[10M]
4.	Explain in detail about requirements elicitation and analysis.	[10M]
	OR	
5.	What are the goals of Requirement Engineering? What are the tasks performed in requirement engineering?	[10M]
6.	Explain how system modeling is achieved using UML? Explain with a suitable example.	[10M]
	OR	
7.	Discuss about design quality.	[10M]
8.	Explain about metrics for analysis model.	[10M]
	OR	
9.	Explain about white box and black box testing.	[10M]
10.	Explain the following: i) Risk identification ii) ISO 9000 quality standards	[10M]
	OR	
11.a)	What is software measurement? Explain in detail	[5M]
b)	Discuss about metrics for analysis model.	[5M]

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