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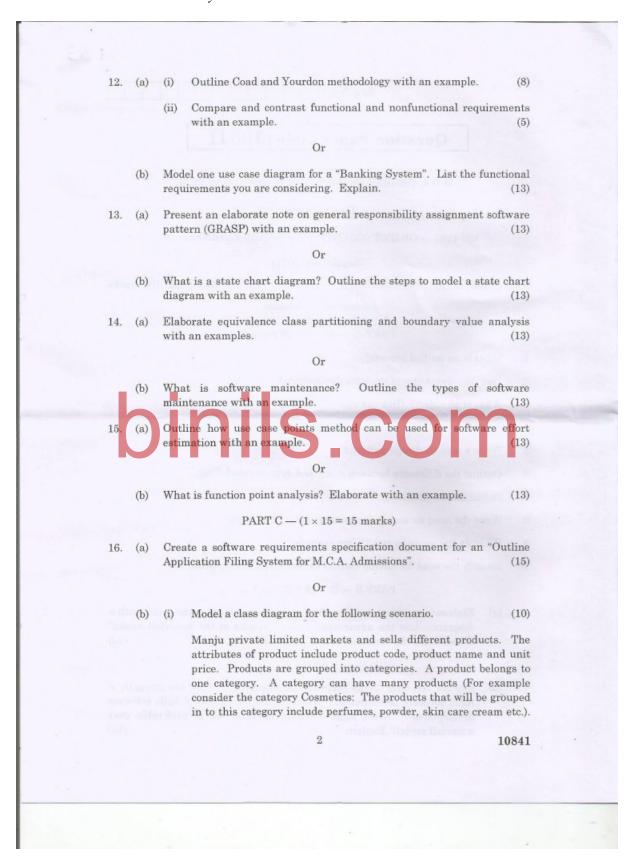
	Pag No.
	Reg. No. :
	Question Paper Code: 10841
	M.C.A. DEGREE EXAMINATIONS, APRIL/MAY 2023
	First Semester
	MC 4102 — OBJECT ORIENTED SOFTWARE ENGINEERING
	(Regulations 2021)
Time:	Three hours Maximum: 100 marks
	Answer ALL questions.
	PART A — $(10 \times 2 = 20 \text{ marks})$
1. W	That is an unified process?
2. Li	ist the advantages of iterative development.
5. W	utline the need for object oriented analysis.
	utline the difference between static and dynamic modelling.
	efine mutation testing.
	rite the need for regression testing. Give an example.  That do you mean by risk? Give example.
	entify the need for having metrics in Software Development.
10. 10	PART B — (5 × 13 = 65 marks)
11. (a	Elaborate on the waterfall software development life cycle model with a diagram. List the advantages and drawbacks of the waterfall model? When to use the waterfall model? Explain. (13)
	Or
(b	Explain the term "Agile Software Development". What are strength of Agile software development? What are the limitations of Agile software development? When Agile software development is preferable over waterfall model? Explain. (13)

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The attributes of category include category code and category name. Sales executive in the company are responsible for marketing and selling products to customers residing in different locations. The attributes of sales executive include sales executive id, name, date born, gender and mobile number. The attributes of customer include id, name, date born, gender and mobile number. The attributes of location include location code and location name. A sales executive markets and sells only one category in only one location. A location can have many sales executives marketing and selling different categories of products. The products purchased by the customers, date of purchase and number of units purchased have to be kept track.

(ii) What is a prototype? Outline throw away prototype and evolutionary prototype with an example. (5)

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