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SUBJECT CODE NO: E-328
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E.(CSE) Examination Nov/Dec 2017
Visual Modeling
(REVISED)

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

- N.B
- i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 - ii) Attempt any two questions from the remaining questions in each section
 - iii) Assume suitable data wherever necessary.

SECTION –A

- Q.1 Solve any two 10
- a) Explain the principles of modelling.
 - b) Explain complexity of software /System.
 - c) Explain algorithmic & object oriented decomposition. (with diagram)
- Q.2 a) What is UML? Explain the objectives of object oriented modelling. 07
- b) Explain 4+1 view model of system architecture. 08
- Q.3 a) Draw and explain relationship between use cases. 07
- b) Explain how CRC cards are used to create class diagram. 08
- Q.4 a) Explain steps to build sequence diagram with example. 07
- b) Draw and explain communication diagram for appointment system. 08
- Q.5 a) Draw and explain component diagram for environmental control system. 07
- b) Explain Elements, guidelines for creating activity diagram. 08

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SECTION –B

Q.6	Solve <u>any two</u>	10
	a) Explain creational design pattern.	
	b) Explain catalog of design patterns.	
	c) What is design pattern?	
Q.7	a) How do we describe pattern?	07
	b) Explain abstract factory pattern.	08
Q.8	a) Explain consequences & implementation of decorator design pattern.	07
	b) Explain consequences & implementation of strategy design pattern.	08
Q.9	a) Explain structural design patterns.	07
	b) Explain behavioural design patterns.	08
Q.10a)	Explain prototype design pattern in detail.	07
	b) Explain command design pattern in detail.	08