

SUBJECT CODE NO:- P-161
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E.(CSE) Examination MAY/JUNE-2016
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 and Q.No.6 are compulsory.
 - ii) Attempt any two questions from the remaining questions of each section.
 - iii) Assume suitable data wherever necessary.

Section A

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|-----|---|----------|
| Q.1 | Solve <u>any two</u> . | 10 |
| | <ol style="list-style-type: none"> a) Explain concurrent design method. b) What is model? Explain various purposes of modeling. c) Define component? Draw component diagram for library management system. | |
| Q.2 | <ol style="list-style-type: none"> a) Explain the 4+1 view model of system architecture. b) What is UML? Explain the objectives of object oriented modeling. | 07
08 |
| Q.3 | <ol style="list-style-type: none"> a) Explain steps to find actor in use case diagram. b) Define association? Explain association in class diagram using ATM system. | 07
08 |
| Q.4 | <ol style="list-style-type: none"> a) Define behavioral modeling. Explain in detail with suitable example. b) Explain the importance and features of interactions diagram. | 07
08 |
| Q.5 | <ol style="list-style-type: none"> a) Draw and explain activity diagram for courseware management system. b) Draw and explain class diagram for library management system. | 07
08 |

Section B

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|------|--|----------|
| Q.6 | Solve <u>any two</u> . | 10 |
| | <ol style="list-style-type: none"> a) What is design pattern? b) Explain design problem. c) Explain embellishing the user interface in document editor. | |
| Q.7 | <ol style="list-style-type: none"> a) Explain organizing the catalog of design pattern. b) What is singleton? Explain in detail. | 07
08 |
| Q.8 | <ol style="list-style-type: none"> a) Describe adapter design pattern in detail. b) Explain consequences and implementation of decorator design pattern. | 07
08 |
| Q.9 | <ol style="list-style-type: none"> a) Describe observer design pattern in detail. b) Explain consequences and implementation of strategy design pattern. | 07
08 |
| Q.10 | <ol style="list-style-type: none"> a) Explain structural design pattern in detail with suitable example. b) Explain problems in lexi design. | 07
08 |