DIPLOMA – VIEP – COMPUTER SCIENCE AND ENGINEERING (DCSVI)
Term-End Examination

ロロ己トユ **December, 2017**

BICSE-005 : OBJECT MODELING AND DESIGN

Time : 2 hours   *Maximum Marks : 70*

Note : *Answer any* **seven** *questions. All questions carry equal marks.*

1. What is Object Oriented modeling ? How is it different from Structured Approach of modeling ? List any four advantages of object oriented modeling. *10*

2. What is a Class Diagram ? How are associations represented in a class diagram ? Explain with the help of examples. *10*

3. What is an Object Diagram ? Draw an object diagram for online money transfer from one bank account to another bank account (in some other bank). *10*

4. Briefly discuss any *two* of the following with the help of suitable diagrams and examples : *2×5=10*

   (a) Events and Signals

   (b) Interfaces

   (c) Component Diagram

5. What is a Sequence Diagram ? What are the various categories of messages that can be specified in a sequence diagram ? Explain with the help of an example. *10*

6. What are the components of a use case diagram ? Draw a use case diagram for a Bank ATM system. *10*

7. What are the advantages of a sequence diagram ? How are concurrently running objects represented in a sequence diagram ? Explain with the help of an example and diagram. *10*

8. Describe the uses of a state chart diagram. Draw a state chart diagram for online shopping of home appliances. *10*

9. Draw a deployment diagram for an online shopping portal. *10*

10. Write short notes on any *two* of the following : *2×5=10*

   (a)   Activity Diagram

   (b)   Generalization and Specialization

   (c)   Principles of Modeling

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