`00305`

DIPLOMA – VIEP – COMPUTER SCIENCE AND ENGINEERING (DCSVI)

Term-End Examination

December, 2015

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 UML ? Define modeling in UML and its advantages in detail with examples.   *10*

2. What is a view in UML ? Explain different types of views available in UML.   *10*

3. What is a diagram ? Explain different types of diagrams available in UML.   *10*

4. Explain the major building blocks in UML.   *10*

5. What is a deployment diagram ? Explain different parts of deployment diagram.   *10*

6. Explain different elements of collaboration, activity and use case diagram. *10*

7. What is message sequencing ? What are its advantages ? Also draw and explain the class and object diagram of a banking system. *10*

8. What do you mean by reverse engineering ? Explain different steps to be performed in reverse engineering. *10*

9. What is synchronization ? Explain in detail with the help of examples. *10*

10. Write short notes on the following : $4 \times 2\frac{1}{2} = 10$

   (a)   SDLC

   (b)   Thread and Process

   (c)   State Machines

   (d)   Advance Classes

—————