

Total No. of Questions: 09

# B.Tech.(IT) (2011 Onwards E-II) (Sem.-7,8) OBJECT ORIENTED ANALYSIS AND DESIGN

Subject Code: BTCS-906 M.Code: 71984

Time: 3 Hrs. Max. Marks: 60

#### **INSTRUCTION TO CANDIDATES:**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

## **SECTION-A**

## Q1. Answer briefly:

- a) Write the example of an abstraction.
- b) Outline the purpose of use cases.
- c) What are primary goals in UML design?
- d) Distinguish between class diagrams & Object class diagrams.
- e) Define Inception.
- f) What are deployment diagrams?
- g) Discuss structural design patterns.
- h) What is the necessity of proxy pattern?
- i) Define Aspect-Oriented Softwares.
- j) What is Domain Modeling?

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## **SECTION-B**

- Q2. Which are unified process phases? Write the primary goal of elaboration phase?
- Q3. What is Sequence diagram? How do you describe a sequence diagrams?
- Q4. Explain with an example about Factory method design pattern.
- Q5. Discuss the significance of state chart diagrams in modeling a system.
- Q6. What is system level testing of object oriented programming? Give Example.

## **SECTION-C**

- Q7. What is UML activity diagram? Using an example, explain the features and elements of UML diagram notations.
- Q8. Explain GRASP patterns design. How they are used for classes and objects in object-oriented design? Illustrate with example.
- Q9. What are CASE tools? Discuss the applications of CASE tools in object oriented analysis and design.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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