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Total No. of Pages : 02

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 :

1. **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?

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.