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Total No. of Pages : 02

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B.Tech.(IT) (2012 to 2017 E-II) (Sem.–7)

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 have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Answer briefly :

a. Differentiate between messages and function calls.

b. Differentiate patterns from framework.

c. Describe the functionalities of the different models in OMT methodology.

d. What is the use of UML in object oriented approach?

e. What purpose is solved by deployment diagram?

f. State how analysis is different from design.

g. Write a note on object oriented metrics.

h. What purpose is solved by class diagram?

i. What is Grasp?

j. What is Proxy Pattern?

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SECTION-B

2. What are the steps for mapping design to code?

3. What are the different kinds of relationships between classes? Discuss each relationship with an example.

4. Write short notes on adapter, singleton and factory patterns?

5. Explain in detail about UML Design class Diagrams.

6. Explain System level testing of object oriented program with example.

SECTION-C

7. Explain association, aggregation and composition relationships in detail.

8. Explain GOF design patterns?

9. What are system sequence diagrams? What are the relationships between SSDs and use cases? Explain with examples.

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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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