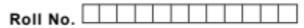


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Total No. of Pages : 02

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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

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

Answer briefly :

- 1. What is elaboration?
- 2. What is UP?
- 3. What is the use of component diagram?
- 4. What is sequence diagram?
- 5. How to choose the initial domain object?
- 6. How to apply the GRASP patterns?
- 7. Why do we need to identify system's responsibility?
- 8. What are steps for mapping design to code?
- 9. What are the primary goals in the design of UML?
- 10. 'A system must be loosely coupled and highly cohesive'. Justify.



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SECTION-B

- Explain object oriented analysis and design process.
- 12. What is visibility? How visibility can be achieved from object A to object B?
- Explain the relationship between sequence diagram and use cases.
- 14. Write a short note on system level testing.
- Describe singleton and factory patterns.

SECTION-C

- 16. Describe UML notation for class diagram with an example. Explain the concept of link, association and inheritance.
- 17. Describe the strategies used to identify the conceptual classes. Describe steps to create domain model used for representing conceptual classes.
- Write a short note on :
- www.FirstRanker.com a) Aspect oriented softwares
 - b) Inception
 - c) Activity diagrams
 - d) Aggregation
 - e) Collaboration.

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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