

(6 pages)

Reg. No. :

Code No. : 9340

Sub. Code : KCAM 35

M.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2017.

Third Semester

Computer Applications

OBJECT ORIENTED ANALYSIS AND DESIGN
USING UML

(For those who joined in July 2016 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. A _____ inherits all of the properties and methods defined in its superclass.
- (a) Subclass (b) Parent class
- (c) Object (d) Class

2. An _____ prototype is an aid for exploring the problem domain.
- (a) horizontal (b) vertical
- (c) analysis (d) domain
3. The process of looking for patterns to document is called _____.
- (a) Data Mining (b) Pattern Mining
- (c) Text Mining (d) Image Mining
4. The _____ model represents the implementation of the system.
- (a) Use-case (b) Domain object
- (c) Test (d) Implementation
5. _____ classes are points in time that must be recorded.
- (a) Concept (b) Events
- (c) People (d) Places
6. Super-sub structure also known as _____ hierarchy.
- (a) Generalization (b) Associations
- (c) Relationships (d) Attributes



7. _____ reflects the "single-purposeness" of an object.
- (a) Coupling (b) Cohesion
- (c) Mapping (d) Designing
8. The _____ model represents data as a single rooted tree.
- (a) Conceptual
- (b) Network
- (c) Relational
- (d) Hierarchical
9. _____ errors occur and are detected as the program is running.
- (a) Run-time (b) Logic
- (c) System (d) Syntax
10. A test plan offers a road map for _____ activity.
- (a) Debugging (b) Path
- (c) Top-down (d) Testing

Page 3 Code No. : 9340

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write a note on object Relationships and Associations.

Or

- (b) Explain about the Software Development Process.

12. (a) Discuss about the Booch methodology.

Or

- (b) Write about UML class program.

13. (a) Explain about Noun phrase approach.

Or

- (b) Write a note on Super-sub class Relationships.

14. (a) Explain about the different types of coupling.

Or

- (b) Discuss about the Designing methods and protocols.

Page 4 Code No. : 9340
[P.T.O.]



15. (a) Write a note on test cases.

Or

- (b) Explain about Cryptanalysis.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss about class Hierarchy.

Or

- (b) Briefly explain about the object-oriented software development life cycle.

17. (a) Give an overview about the Unified Approach.

Or

- (b) Explain in detail about UML Dynamic Modeling.

18. (a) Describe the basic activities in object – oriented analysis.

Or

- (b) Briefly explain about any one UML model and transaction problem.

Page 5 Code No. : 9340

19. (a) Explain about the micro-level process of UML.

Or

- (b) Discuss about Object-Relational systems.

20. (a) Explain in detail about testing strategies in OOAD.

Or

- (b) Give an overview about Quality Assurance Tests.
-

Page 6 Code No. : 9340

