OOAD QUESTION BANK – M.TECH (16CS5814)

Unit –I

1. a) What are the difference between model and modelling?

   b) Write a short notes to various things in the UML?

2. a) Explain about the Encapsulation , Polymorphism?

   b) Explain about the modelling system architecture with suitable diagram?

3. Briefly explain about the software development life cycle in UML?

4.a) What are the various rules used in UML , explain briefly?

   b) Briefly explain about the common mechanism in the UML?

5. Explain 9 diagrams in UML?

6. a) What are the various relationships available in the UML , explain with suitable symbols?

   b) Write a short notes to generosity?

   c) Write a short note to forward engineering and reverse engineering?

7. a) Briefly explain about the class diagram with suitable example?

   b) Briefly explain about the object diagram with suitable example?

8. Draw a neat class diagram for air line reservation system and explain briefly?

9.Draw a neat object diagram for air line reservation system and explain briefly?

10. Briefly explain about the various modelling techniques for class diagram?

11. Briefly explain about the various modelling techniques for object diagram?

12. Explain about the common properties for class diagram?

13. Explain about the common properties for object diagram?

Unit-II

1. Briefly explain about the various properties for collaboration diagram?
2. Briefly explain about the various properties for sequence diagram?
3. Briefly explain about the various properties for usecase diagram?
4. Briefly explain about the various properties for activity diagram?
5. Draw a neat collaboration diagram for air line reservation system and explain briefly?
6. Draw a neat sequence diagram for air line reservation system and explain briefly?
7. Draw a neat usecase diagram for restaurant management system?
8. Draw a neat activity diagram for restaurant management system?
9. a) What are the difference between the action state and activity state in activity diagram?
   b) Explain about the transaction, branching in activity diagram?

10. Briefly explain about the forking and joining, swim lanes in activity diagram?

11. Briefly explain about the common properties for component and deployment diagram?

Unit-III

1. Briefly explain about the iterative and incremental unified process?
2. Explain about the architecture centric for unified process?
3. Write a short note to use case driven for unified process?
4. Explain about the below four Ps
   a. People
   b. Project
   c. product
   d. process

5 . Briefly explain about the use case driven process?

6. How to analysis, design and implementation the use case driven process?

7. How to testing the usecases in use case driven process?

8.Briefly explain about architecture to architecture centric process?

9. What are the various steps involved to architecture in ACP?

10. Explain architecture description for ACP?

Unit-IV

1.Briefly explain about the iterative incremental process ?

2.Why iterative incremental development? Explain briefly?

3. Explain about the iterative approach is risk driven , the generic iteration?

4. Briefly explain about the phases are the first division workflow in generic iteration work flow?

5. Explain about the planning proceeds in generic iteration work flow?

6.Briefly explain about the risk affect project planning in generic iteration work flow?

7. Explain about the use case prioritization in generic iteration work flow?

8. What are the resources needed to generic iteration workflow? Explain briefly?

9. Briefly explain about assess the iteration and phases in generic iteration workflow?

10. Explain about the four phases in unified process?

Unit-V

1. Briefly explain about the inception phase?
2. Explain about the archetypal inception iteration work flow?
3. How to execute the core workflows in inception phase? Explain briefly?
4. Briefly explain about the elaboration phase?
5. Explain about the architectural elaboration iteration work flow?
6. How to execute the core workflows requirements to test in elaboration phase? Explain briefly?
7. Briefly explain about the construction phase?
8. Explain about the archetypal construction iteration workflow?
9. Briefly explain about the transition phase?
10. What are the various activities perform in transition phase? Explain briefly?