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DEPARTMENT OF BBA[COMPUTER APPLICATION]

Question Bank

Name of Subject - OOSE

Q Solve the following question

1. Define the term OLAP.
2. Explain the term Cipher Text.
3. List different models for cloud computing.
4. What is Data Fragmentation ?
5. List the types of software prototyping.
6. Explain the term Data Mining.
7. Define the term cryptography.
8. Explain the term soft computing.
    a. Describe the role of requirement analysis in software process.
    b. Explain naming conventions for objects.
    c. Describe Architecture of Data Warehouse in detail.
    d. Explain message digest in cryptography.
    e. What is cloud computing ? Describe its technological features in detail.
9. What is Green Computing ? Describe the steps to take towards Green Computing.
10. Explain the following terms :
11. Data Encryption Standard
12. Advance Encryption Standard.
13. Explain Data Cleaning ? What are the tools of Data Cleaning ?
14. Explain in detail, the factors affecting Software Quality.
15. What is Software Management ? Explain its types
    a. Explain data pre-processing techniques in detail.
    b. Explain symmetric key signature and public key signature.
    c. Distinguish between Soft computing and Hard computing.
    d. State the difference between stand alone verses distributed database.
    e. What are the current and future trends in mobile computing ?
16. Explain Data Mining process in detail.
17. Define the terms :
18. Active Attack and

19. Passive Attack.
20. Explain the types of cryptography in detail.
21. Write a short note on ‘One-Time-Pad’.
22. Explain the applications of Data Warehousing in detail.
    a. Define association.
    b. What is Object Oriented Analysis ?
    c. Define Tagged values.
    d. What is Recursive Message ?
    e. What is Inception ?
    f. What is meant by Object Oriented Design ?
    g. Define Branching.
    h. What is Interface ?
    i. Write down the purpose of the object diagram.
23. How to identify the element of an object model.
24. Explain visibility modes along with well labelled diagrams.
25. Draw component diagram for online shopping.
26. Describe UP phases with the help of diagrams.
27. Explain generic components of the object oriented design model.
28. Define UML. Explain various features of UML.
29. Define Relationship. Explain different kinds of relationship.
30. What is Deployment diagram ? State any four notations of deployment diagram.
31. Explain Understanding Requirement of Object Oriented Analysis.
32. Discuss object oriented design process.
33. What is meant by Model and Modeling ?
34. Explain the concept of Aggregation with an example.
35. Explain which diagrams are called as an Interaction diagram
36. and explain these diagrams are used to model which aspect of system.
37. What is meant by Object Oriented Analysis ?
38. Explain System Design Process

i. Attempt the following (any four) : [4×4=16]
ii. Construct a design element for point of the sale terminal management
iii. system that can be used for buying and selling of goods in the
iv. retail shop.When the customer arrives at the post check point with the items
v. to purchase, the cashier records each item price and add the item
vi. information to the running sales transaction. The description and
vii. price of the current items are displayed. On completion of the item
viii. entry the cashier informs the sales totals and tax to the customer.
ix. The customer chooses payment type (cash, cheque, credit/debit). After
x. the payment is made the system generates a receipt and automatically

xi. updates the inventory, the cashier handovers the receipt to the customer.
xii. Consider above situation, draw the following UML diagrams :

39. Use case diagram
40. Activity diagram
41. Class diagram
42. Sequence diagram
43. Collaboration diagram.
44. What is multiple inheritance ?
45. Define Generalization.
46. What is system boundary ?
47. Consider a single object ‘‘customer’’ and draw object diagram
48. with possible attributes.
49. What is joining ?
50. Define Inception.
51. Define task management component.
52. What is lifeline ?
53. What is dependency ?
54. Define UML. What are the goals of UML ?
55. What is Association ? Explain important terms in Association.
56. Draw class diagram for library management system.
57. Describe the Jacobson method in details.
58. What is UP. Explain any two phases in details.
59. What is package ? Explain different kind of packages.
60. Define things. Explain Behavioral things in details.
61. What is use cases ? State include and extend relationship amonguse cases with example.
62. What is iterative development ? Explain the phases of iterative development.
63. Explain different elements of object model

64. What is object orientation ? State various reasons for why object orientation.
65. Explain dependancy relationship along with different stereotypes.
66. Define sequence diagram. Explain different kinds of its notations.
67. Explain the data management component.
68. Define the following terms :
69. Elaboration
70. Forking
71. Polymorphism
72. 5. Attempt the following : 5.

i. Railway reservation system is a system used for booking tickets
ii. over internet-Any customer can book tickets for different trains.
iii. Customer can book a ticket only if the tickets are available. Customer

iv. searches for the availability of ticket then if the ticket are available
v. he books the ticket by initially filling details in a form. Tickets
vi. can be booked in two ways by i-ticket or by e-ticket booking.
vii. In case of i-ticket booking customer can book the ticket online and
viii. the tickets are couriered to particular customer at their address,
ix. but in case of e-ticket booking and cancelling ticket are booked
x. and cancelled online sitting at the home and cystomer himself has
xi. to take print of the ticket but in both the cases amount for tickets
xii. are deducted from customer's amount.
xiii. For cancellation of ticket the customer's has to go at reservation
xiv. office then fill cancellation form and ask the clerk to cancel the
xv. ticket then the refund is transferred to customer's account. After
xvi. booking ticket the customer has to check out by paying fare amount
xvii. to clerk.

73. Consider above situation. Draw the following UML diagrams :
    a. Use case diagrams
    b. Class diagrams
    c. Actiuity diagrams.
    d. Sequence diagrams.