

MODEL PAPER



S.K.R. & S.K.R. Govt. College for Women (Autonomous), Kadapa.

Reaccredited with 'B' Grade by NAAC

Y.S.R.Kadapa District – 516001, Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE

Database Management Systems

IIBSC(III SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION-A

Answer any Five out of Ten questions. Each question carries Five marks. (5x5 = 25 Marks)

1. Explain a.) Data b) Data Base c) Data base Management System ?
2. Explain about Data Models ?
3. Explain different types of Relationships?
4. Explain about Domain Constrains?
5. What is entity Explain different types of Entity?
6. Explain about DDL Commands?
7. Explain Database Triggers
8. Explain about Functional Dependency?
9. Explain about DML Commands?
10. Explain about Relational Algebra Operations?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

11. Drawbacks of File Based Approach ?

OR

12. Explain different types of Data Models?

UNIT – II

13. Explain E-R Diagram constructs with help of a diagram ?

OR

14. Explain about Specialization and Generalization?

UNIT –III

15. Explain CODD'S Rules?

OR

16. What is Normalization? Explain any One (1NF,2NF,3NF) with an Example?

UNIT – IV

17. Explain Data Types in SQL?

OR

18. Explain Aggregate Functions in SQL?

UNIT – V

19. Explain the Operator Precedence in PL/SQL

OR

20. 20. Explain Database Triggers with an Example?

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DEPARTMENT OF COMPUTER SCIENCE

Programming With C&C++

IIBCOM(III SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Five Marks(5x5=25Marks)

- 1.Explain the Structure of the C Program?
- 2.Explain in detail about Token in C?
3. Explain in detail of operators in C?
- 4.What is String?.Explain ?
5. Explain about Functions in C?
- 6.Explain about Basic Features of C++ ?
- 7.Explain about Classes and Objects in C++?
- 8.What is Destructor Explain?
- 9.Write about Friend Functions in C++?
- 10.Explain About Public Private Protected?

SECTION – B

Answer Five questions (Internal Choice). Each question carries Ten Marks. (5X10=50Marks)

UNIT-I

- 11.Explain about Data Types in C?

OR

- 12.Explain about if statements in C?

UNIT-II

- 13.What is Loop? Explain Different Types of Loops?

OR

- 14.Explain about Multi Dimensional Arrays in C?

UNIT-III

15.What is String? Explain String Handling Functions in C?

OR

16.What is Function? Explain Call By Value and Call By Reference?

UNIT-IV

17. Explain about OOPS concepts?

OR

18.Explain about Constructors in C++?

UNIT-V

19.What is Inheritance? Explain Different types of Inheritance?

OR

20.Explain about Types of Polymorphism?

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DEPARTMENT OF COMPUTER SCIENCE

**Data Base Management Systems
IIBA(III SEM)**

TIME: 3 HRS

MAX MARKS: 75 M

SECTION–A

Answer any Five out of Ten questions. Each question carries Five marks (5x5=25 Marks)

1. Explain Views of Data?
2. Explain about Three schema Architecture?
3. Explain different types of relationships?
4. What is entity Explain different types of Entity?
5. Explain about Domain Constrains?
6. Explain about Functional Dependency?
7. Explain about Algebra Operations?
8. Explain about DML Commands?
9. Explain about Aggregate Functions?
10. Explain about DDL Commands?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

11. Explain about Database Advantages?

OR

12. Explain different types of Data Models?

UNIT – II

13. Explain about Attributes in E-R Diagram?

OR

14. Explain about Specialization and Generalization?

UNIT –III

15.Explain about Relational Model?

OR

16. Explain about Normalization?

UNIT – IV

17. Explain about Select Operation?

OR

18. Explain about Relational Set Operators?

UNIT – V

19. Data types in SQL?

OR

20. Explain about Constrains in SQL?

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DEPARTMENT OF COMPUTER SCIENCE

Object Oriented Programming Using Java

IIBSC(IV SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION-A

Answer any Five out of Ten questions. Each question carries Five marks. (5x5 = 25 Marks)

1. What are java features?
2. List out the data types?
3. What is a constructor? What are various types of constructor?
4. What is inheritance? What are various types of inheritance?
5. Explain about Polymorphism with Variables, Polymorphism using Methods?
6. What is Type Casting? Write about Casting Primitive Data Types?
7. Write about Thread Class Methods.
8. Write about Creating an Applet?WriteUses of Applets.
9. Write about Database Servers, Database Clients.
- 10.Explain Working with Oracle Database.

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

11. Explain operators in java with examples.

OR

12. Explain the decision making and looping statements in Java.

UNIT – II

- 13.Explain: a)Passing Primitive Data Types to Methods b) Passing Objects to Methods

OR

14. Explain:a) Featuresof Object-Oriented Programming System b) Access Specifiers

UNIT –III

15. What is package? Describe how to create package and how to use it?

OR

16. What is an exception? Explain about exception handling.

UNIT – IV

17. What is thread? Explain in detail thread life cycle.

OR

18. What is Applet? Explain in detail Applet life cycle.

UNIT – V

19. Explain Retrieving Data from MySQL Database.

OR

20. Explain Stages in a JDBC Program, Types of Result Sets.

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DEPARTMENT OF COMPUTER SCIENCE

Operating Systems

IIBSC(IV SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION-A

Answer any Five out of Ten questions. Each question carries Five marks. (5x5 = 25 Marks)

1. Basic Functions of OS?
2. Explain Real time OS?
3. a) Kernel b) Shell c) System Call d) System programs?
4. Write the differences between Preemptive and Non-Preemptive Scheduling?
5. What are the necessary conditions for a dead lock to occur?
6. Explain Critical Section Problem?
7. Physical & Virtual address Space?
8. What is a) Fixed partition Allocation b) Variable partition Allocation Mechanisms?
9. Explain File Directory Structure of OS?
10. Internet Access Authorization?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

11. Explain MULTIPROGRAMMING with help of a diagram?

OR

12. Explain a) OS for Personal Computers b) OS for Real time Systems?

UNIT – II

13. Explain Processor and User Modes?

OR

14. Explain ROUND ROBIN Algorithm for Process Scheduling?

UNIT –III

15. What is Deadlock? Explain Dead lock detection & Dead lock Avoidance?

OR

16. Explain a) Concurrent Process b) Critical section c) Semaphores d) Interprocess Communication

UNIT – IV

17. Explain Paging with help of a Diagram?

OR

18. Explain Segmentation with help of a Diagram?

UNIT – V

19. Explain File allocation Methods Techniques?

OR

20. Explain Security Policy Mechanism?

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DEPARTMENT OF COMPUTER SCIENCE

**Database Management Systems
IIBCOM(IV SEM)**

TIME: 3 HRS

MAX MARKS: 75 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Five marks(5x5= 25Marks)

- 1.What is Database? Explain about Database Management system?
- 2.Explain about File based system.?
3. Explain about DBMS Approach ?
- 4.Explain about advantages of DBMS ?
5. Write about Generalizationand Specialization?
- 6.What is the Concept of Relational Integrity?
- 7.Explain about Data types in SQL?
8. Explain about Table Truncation?
9. Explain about Steps to Create a PL/SQL Program?
10. Write about Functions in PL/SQL?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT-I

- 11.Explain about Classification of Database Management System?

OR

- 12.Explain about Advantages of DBMS?

UNIT-II

13. Explain about Components of Database System?

OR

- 14.Explain about Database Architecture?

UNIT-III

15. Explain about Building Blocks of an Entity-Relationship Model?

OR

16.Explain about CODD's Rules?

UNIT-IV

17.Explain about Data Manipulation Language?

OR

18.Explain about Set Operations?

UNIT-V

19.Explain about Exception Handling in PL/SQL?

OR

20.Explain about Types of Triggers?

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DEPARTMENT OF COMPUTER SCIENCE

**Object Oriented Programming With Java
IIBCOM(IV SEM)**

TIME: 3 HRS

MAX MARKS: 75 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Five marks(5x5= 25Marks)

- 1.Explain about Features of Object Oriented Programming.?
- 2.Explain about Java Virtual Machine?
3. Explain about Naming Conventions in Java?
- 4.Explain about Command Line Arguments?
5. Write about Looping Statements in Java?
- 6.What is String? Explain String Class Methods?
- 7.Explain about Data types in Java?
8. Explain about Method Overloading?
9. Explain about Inheritance?
10. Write about Packages?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT-I

- 11.Explain about Features of Object Oriented Features in Java?

OR

- 12.Explain about Operators in Java ?

UNIT-II

13. Explain about Control Statements in Java?

OR

- 14.Explain about Arrays?

UNIT-III

15. Explain about types of Inheritance?

OR

16.Explain about Abstract classes?

UNIT-IV

17.Explain about Packages in java?

OR

18.Explain about Streams in java ?

UNIT-V

19.Explain about Exception Handling?

OR

20.Explain about Threads in Java?

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DEPARTMENT OF COMPUTER SCIENCE

Object Oriented Programming Using Java

IIBA(IV SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION-A

Answer any Five out of Ten questions. Each question carries Five marks. (5x5 = 25Marks)

1. What are java features?
2. List out the data types?
3. What is a constructor? What are various types of constructor?
4. Write about switch statement.
5. What is Inheritance? What are various types of inheritance?
6. What is a vector?
7. What is an Error? What are various types of errors?
8. Write about Character Stream classes.
9. Write any two differences between local applet and remote applet.
10. List out frequently used packages in java and explain briefly.

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

9. Explain the basic concepts of OOP.

OR

10. Explain operators in java with examples.

UNIT – II

11. Explain the decision making and looping statements in Java.

OR

12. Explain: a)Method overloading b)Overloading methods.

UNIT –III

13. What is an Array? How to create an array?

OR

14. What is an interface? Explain in detail about defining an interface and how to extend an interface with example.

UNIT – IV

15. What is thread? Explain in detail thread life cycle.

OR

16. What is an exception? Explain about exception handling.

UNIT – V

17. Explain applet lifecycle with neat diagram.

OR

18. What is package? Describe how to create package and how to use it?

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DEPARTMENT OF COMPUTER SCIENCE

Web Designing

IIBA(IV SEM)

TIME: 3 HRS

MAX MARKS: 75 M

SECTION-A

Answer any Five out of Ten questions. Each question carries Five marks. (5x5 = 25Marks)

- 1.What is the Basic HTML structure?
2. What is the data type and what are the different data types used in PHP?
- 3.What is array and what are the Advantages of Array?
- 4.Define the String? What are the String Functions?
- 5.How to send mail using Form Submission?
- 6.Discuss about running commands with exec,system() or passthru()?
- 7.What is Cookie? How to set and delete Cookie in PHP?
- 8.Explain Date and Time functions in PHP?
- 9.How to connect to MYSQL with PHP?
- 10.How to start a Session in PHP?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Ten marks. (5X10=50 Marks)

UNIT – I

- 11.How to create Multimedia Objects in HTML with an Example?

OR

- 12.What is the Frame and how to create frames in HTML?

UNIT – II

- 13.Explain different Operators using in PHP?

OR

- 14.What is the function? How to calling the functions in PHP?

UNIT – III

15.How to declare and insert Array Elements using 1-D Array?

OR

16.What are different String Manipulation Functions in PHP?

UNIT – IV

17.How to Create Forms and Accessing Forms with User defined Arrays?

OR

18.Write the Session Function Overview and working with Sessions?

UNIT – V

19.How to create Tables and Menus in MYSQL?

OR

20.What are the Steps to create,add,delete a Record in MYSQL