



GOVERNMENT DEGREE COLLEGE

NARASANNAPETA - SRIKAKULAM DIST- 532421

(Affiliated to Dr.B.R.Ambedkar University, Etcherla -Srikakulam Dis

Accredited with NAAC - "B" Grade

DEPARTMENT OF COMPUTER SCIENCE

MID-I EXAMINATIONS, SEMESTER-IV , FEB-2025.

(PAPER-IV DBMS)

TIME: 1 HOUR

MAX.MARKS:20

SECTION-A

Answer any ONE questions. Each question carries 5 marks.

1 x 5 = 5 M

1. What are the main components of DBMS.
2. Explain about ANSI spark Model
3. Explain about Generalization and specialization

SECTION-B

Answer any FIVE questions. Each question carries 2 marks.

5 x 2 = 10 M

1. What is a Database Management System (DBMS)?.
2. List the main components of a DBMS.
3. Explain super class and subclass
4. Explain Advantages and disadvantages of ER Model.
5. Types of attributes
6. Architecture of dbms
7. Advantages of dbms

SECTION-C

Answer all question each question carries one mark

1x5=5M

1. Define database
2. What is entity
3. Strong entity
4. Define information
5. Define field



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MID-I EXAMINATIONS, SEMESTER-IV , FEB-2025.

(PAPER-IV OOSE)

TIME: 1 HOUR

MAX.MARKS:20

SECTION-A

Answer any ONE questions. Each question carries 5 marks.

1 x 5 = 5 M

1. Describe the purpose of UML diagrams in software engineering
2. Explain the lifecycle phases of Object-Oriented Software Development
3. What are use-case diagrams? Give a brief example.

SECTION-B

Answer any FIVE questions. Each question carries 2 marks.

5 x 2 = 10 M

1. What is object-oriented software engineering (OOSE)?
2. What is the role of UML in software development?
3. Briefly describe the concept of a use case.
4. State the purpose of encapsulation in OOSE.
5. Define abstraction with a simple example.
6. List any two advantages of object-oriented design.
7. What is an object in the context of OOSE?

SECTION-C

Answer all question each question carries one mark

1x5=5M

1. What does OOSE stand for?
2. What is polymorphism in object-oriented systems?
3. Define inheritance in a single sentence.
4. What is a use case in object-oriented analysis?
5. Define an object in object-oriented programming.



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MID-I EXAMINATIONS, SEMESTER-I , FEB-2025.
(PAPER-IV PROGRAMMING LANGUAGE USING C)

TIME: 1 HOUR

MAX.MARKS:20

SECTION-A

Answer any ONE questions. Each question carries 5 marks.

1 x 5 = 5 M

1. Explain Block diagram of computers
2. Operators in c language
3. Various data types in c

SECTION-B

Answer any FIVE questions. Each question carries 2 marks.

5 x 2 = 10 M

1. Define hardware and software
2. Input and output devices
3. Define flowchart and algorithm
4. Features of C language
5. Keywords in c
6. Structure of C language
7. Comment lines

SECTION-C

Answer all question each question carries one mark

1x5=5M

1. Define data
2. Arthmatic operators
3. Variable
4. If statements
5. While loop structure