



**MATS CENTRE FOR DISTANCE AND ONLINE EDUCATION
(MCDOE)**

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**Assignment Work
Session: July 2025-26**

Max Marks – 30

Min Marks-12

Name of Programme: DCA_I
Programme Code:
Name of Course: DBMS
Course Code:
Name of Learner:
Enrollment Number:
Mobile Number:
Email ID:
Address:
Centre: MCDOE

Instruction to Submit Assignment

- All assignments should be completed and submitted at MCODE study centre before the due date.
- All the Assignment should be written by the learners, in some aspects print out of the assignment will also be accepted.
- The date of submission will be provided by the programme coordinator.
- The assignments constitute the continuous component of the evaluation process and have 30% weightage in the final grading. The students need to score minimum marks as per Examination Scheme of particular programme in the assignments of each course in order to clear the continuous evaluation component.
- Without submission of the assignment learners are not allowed to appear in the term end examination.
- Assignments should be brief, precise and in your own words. Please do not copy the answers from the study material.
- You may retain a copy of your assignment response to avoid any unforeseen situation.

Attempt all questions. All questions carry equal marks. (5*3)

1. Define a Database Management System (DBMS). Explain any three advantages of using DBMS.
2. Differentiate between File System and DBMS (any three differences).
3. What is a Primary Key? Give an example.
4. Explain the concepts of Schema and Instance with examples.
5. What is Normalization? State its purpose in database design.

Attempt all questions. All questions carry equal marks. (3*5)

1. Explain the different generations of computers with features.
2. Describe various types of application software and system software with examples.
3. What is computer networking? Explain different types of networks (LAN, MAN, WAN) with diagrams.