TILAK MAHARASHTRA VIDYAPEETH, PUNE MASTER OF COMPUTER APPLICATIONS (Specialization in Artificial Intelligence & Machine Learning) / (Specialization in Data Science)/(Specialization in Cloud Technology) EXAMINATION :MAY - 2024

SEMESTER - I

Sub: Database Management Systems (MCAI 23-104/MCDS23-104/MCCL-23-104)

Date : 25/05/2024		Total Marks : 60	Time: 2.00 pm to 4.30 pm
Instruc	 All questions Bold figures Candidates a Answers writ Use of scient 	are compulsory unless and otherwise s to the right of every question are the ma are advised to attempt questions in orde tten illegibly are likely to be marked zer tific calculators, Log tables, Mollier Ch nd labelled diagram wherever necessar	aximum marks for that question. r. o. arts is allowed.
Q.1. 1. 2. 3. 4. 5. 6. 7.	List out SQL query What is anomaly in What is Shared and What is object stru	n database? d Exclusive Lock? cture in object oriented paradigm? n techniques used in RDBMS? ot of Inheritance?	(10)
Q. 2. 1. 2. 3. 4. 5. 6.	Differentiate betwee What is Intersect ⁴ Explain desirable p Write a short note	properties of transactions. on Peer–to–Peer architecture. techniques in RDBMS.	(20)
Q. 3. 1. 2. 3. 4. 5.	 Write the queries to 1. CREATE 7 2. Roll no. m 3. Add 3 reco 4. Display all 5. Delete 2 ro Explain two-way n Describe architecto What is data fragma as well. 	Ying in detail. (Any 3) o perform various operations on below TABLE student with fields RN, name, of ust be primary key. ords in given table. I records from table ow details from the table. nerge sort algorithm in detail. ure for a locking scheduler. nentation? Explain its types. List out adv een OODBMS & RDBMS.	class, mobile.