

SIES College of Arts, Science & Commerce (Autonomous)
Sion (West), Mumbai 400022

Internal Assessment, SEMESTER-I

Class: MSc Part-I Subject: Data Science

Subject: advanced database management system Subject Code: SIPDSCB111 Day:
Date: Time: Max Marks: 20

Q1 Attempt any TWO.

- a. Write a short note on the architecture of distributed database. 5M
- b. Explain horizontal and vertical data fragmentation. 5M
- c. Explain Atomicity, consistency, durability, and isolation transaction properties. 5M

Q2 Attempt any TWO.

- a. Discuss the various types of constructors. How are they used to create complex object structures? 5M
- b. What is the difference between persistent and transient objects? How is persistence handled in typical OO database systems? 5M
- c. Write a short note on “global catalog” 5M

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