

The University of Burdwan
M.Sc. (DDE) 3rd semester examination, 2019
Subject: Computer Science
Paper: MCS-303 (Advanced DBMS)
Full Marks: 22.5

Answer Question number 1 and any three questions from the rest.

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| 1. Discuss different types of fragmentation in distributed database. | 7.5 |
| Or | |
| Draw the Entity Relationship Diagram of a University Database Systems | 7 ½ |
| 2. State the Armstrong's Axioms. | 5 |
| 3. Discuss the closure of functional dependencies with example. | 5 |
| 4. Differentiate between distributed and centralized DBMS. | 5 |
| 5. How deadlock is handled in distributed system? | 5 |
| 6. Describe JOIN process with an example. | 5 |
| 7. What is the necessity normalization? Define 3 rd NF | 3+2 |