

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Department of Computer Science Engineering

Test-1

Subject: Database Systems/Database Management Systems

Date: 30-09-2021

Duration: 2.00PM – 3.00 PM

Max. Marks: 25

Answer the following questions:

1. What are the characteristics of database systems? Explain in detail. (5 Marks)
 2. What is schema of a database? Explain the three schema architecture of a database with necessary block diagram and also give the necessary example of each schema. (5 Marks)
 3. With necessary block diagram explain the component model of a DBMS in detail. (5 Marks)
 4. What is database model? What are the different database models? Explain each with necessary example. (5 Marks)
 5. Define DBMS with four necessary parameters. (5 Marks)
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