S.No. 22

12PCSZ16

(For the candidates admitted from 2012-2013 onwards)

M.Sc. DEGREE EXAMINATION, APRIL/MAY 2018.

Third Semester

Computer Science

ADVANCED DATABASE MANAGEMENT SYSTEMS

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL questions.

1.   (a)   Write a short notes on degrees of data abstraction for data models.

Or

      (b)   Why do we need SQL? Explain Briefly.

2.   (a)   What is Transaction? Explain with a suitable example.

Or

      (b)   What do you understand by Distributed Database Management Systems?

3. (a) Explain the essential features of Object Oriented Data Model.

Or

(b) Give a brief about Database Design for E-commerce Applications.

4. (a) List out the uses of Internet Databases.

Or

(b) What is de-normalization of Database Tables? Explain.

5. (a) What is Mobile Database? Explain.

Or

(b) What is Spatial Databases? Explain.

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

6. (a) Elaborately discuss on the importance of Data Modeling for DBMS.

Or

(b) Explain the functions of Advanced SQL in detail.

7. (a) Explain the processes involved in Transaction Management with example.

Or

(b) Distributed DBMS is an indispensable element in DBMS: Justify.

8. (a) Why do we need object oriented databases? Explain with examples.

Or

(b) E-commerce architecture: Explain in detail.

9. (a) Explain about Internet Database Systems in detail.

Or

(b) Explain the components of Database Administration in detail.

10. (a) Explain the importance of GIS — Geography Information Systems.

Or

(b) What is Multimedia Database? Explain its role.

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