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Question Paper Code : X86688

M.E./M.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2021
Second Semester
Big Data Analytics
IF5191 – ADVANCED DATA BASES
(Common to Computer Science and Engineering/Software Engineering)
(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. List the types of system architectures.
2. Define : Parallelism.
3. Mention the applications of Intelligent Databases.
4. Identify the types of Spatial Data Types.
5. Define : DTD.
6. State the principles of XML Schema.
7. Name the Mobile Transaction Models.
8. Define : Concurrency control.
9. List the principles of Multidimensional Data Structures.
10. Mention the uses of Video Databases.

PART – B

(5×13=65 Marks)

11. a) Explain about the Various Server System architecture with an example.
(OR)
b) Discuss about the various commit protocols and explain.
12. a) Describe about the Temporal databases with an example.
(OR)
b) List the various spatial databases and explain with their relationships.

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13. a) Explain about the XML querying with an example code.
(OR)
b) Describe about the open database connectivity with an example code.
14. a) Examine about the Location and Handoff Management with an example.
(OR)
b) Discuss about the various transaction commit protocols.
15. a) Describe about the image Databases in detail.
(OR)
b) Explain about the various video and audio databases.

PART – C

(1×15=15 Marks)

16. a) Create an XML code for income tax calculation for Individual-Salaried Tax Payers.
(OR)
b) Apply the mobile hand off management for one state to another state Roaming service providers how will you find the locations and data distribution models ?
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