Reg. No. : | | | | | | | | | | |

Question Paper Code: 47802

B.E/B.TECH DEGREE END SEMESTER EXAMINATIONS –DEC 2020

Seventh Semester

Information Technology

14UIT702 ADVANCED DATABASE SYSTEMS

(Regulation 2014)

Duration: One hour Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. The _____database is designed for the utilization of whole organization
   (a) enterprise application (b) two-tier (c) multi-tier (d) single-tier
2. ---------- scheme is ideally suited for applications that wish to read the entire relation sequentially for each query
   (a) Hash partitioning (b) Range partitioning (c) Round-robin (d) None of these
3. In object-oriented model, one object can access data of another object by passing
   (a) Instance variable (b) Messaging (c) Variable (d)None of these
4. Object based data model are used in describing the abstraction of the following
   (a) Only physical (b) Conceptual and view
   (c) Physical and conceptual (d) Logical
5. ----------HTTP request is used to upload the resources to the servers
   (a) GET (b) POST (c) UPLOAD (d) PUT
6. There are --------- primary methods available for passing information from the browser to a CGI script
   (a) Four (b) Two (c) Five (d) Six
7. The model that has been used for specifying active database rules is referred to as the ------
   (a) Execution – Condition – Auto (b) Execution – Condition – Active
   (c) Evaluation – Condition – Active (d) Event – Condition – Active
8. Deductive databases are ---------
   (a) Keep track of objects in a multi-dimension space
   (b) Declarative language to specify rules
   (c) Manage different types of data
   (d) Operations are automatically

9. ------ process derives elevation data for points at which no samples have been taken

(a) Interpretation (b) Interpolation

(c) Proximity analysis (d) Analysis of networks

10. Key components of spatial data quality include

(a) Positional accuracy (b) Temporal accuracy

(c) Logical accuracy (d) All the above

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain in detail about distributed systems with relevant example. (8)

12. Analyze the different concepts of object database. (8)

13. Summarize the native XML databases (8)

14. Illustrate the active database concepts and triggers (8)

15. Explain the concepts of data warehousing and its architecture (8)