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189042

**2nd Sem, Level 4 / SD**  
**Subject : Database Management Systems**

Time : 2 Hrs.

M.M. : 50

**SECTION-A**

**Note:** Multiple Choice questions. All questions are compulsory. (5x1=5)

- Q.1 In general, a file is a collection of all related \_\_\_\_\_.  
a) Rows & columns    b) Fields  
c) Database            d) Records
- Q.2 Which of the following command is a type of Data Definition language command?  
a) Create                b) Update  
c) Delete                d) Merge
- Q.3 Array is the collection of similar data type values (T/F)
- Q.4 In which of the following formats data is stored in the database management system?  
a) Image                b) Text  
c) Table                d) Graph

Q.5 Who invented Java Programming?

- a) Guido van Rossum
- b) James Gosling
- c) Dennis Ritchie
- d) Bjarne Stroustrup

### **SECTION-B**

**Note:** Objective type questions. All questions are compulsory.  $(5 \times 1 = 5)$

Q.6 Define Thread

Q.7 Define tuple

Q.8 Define constraint

Q.9 Define Primary key

Q.10 Write syntax to insert a record in a table.

Q.14 Explain how table is created and data is inserted.

Q.15 Write short note on JAVA and why it is called platform independent?

Q.16 Write a short note on string manipulation in java.

Q.17 Analyse the online quiz web based application.

Q.18 Explain wrapper class with suitable example.

### **SECTION-D**

**Note:** Long answer type questions. Attempt any one questions out of two questions.  $(1 \times 10 = 10)$

Q.19 Give advantages of web-based applications. Explain how it is useful in current scenario by taking the examples of some web based applications.

Q.20 Discuss various control structures in JAVA.

### **SECTION-C**

**Note:** Short answer type questions. Attempt any six questions out of Eight questions.  $(6 \times 5 = 30)$

Q.11 Discuss the purpose of the condition operators BETWEEN and IN.

Q.12 Discuss the features of RDBMS.

Q.13 Discuss Exceptional handling in JAVA.

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