

Roll No.....

Total No. of Questions : 13]

[Total No. of Pages : 02

Paper ID [B0111]

(Please fill this Paper ID in OMR Sheet)

BBA (BB - 205) (S05) (O) (Sem. - 2nd)

DATABASE SYSTEMS

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)

(15 × 2 = 30)

- a) What are the functions of DBMS?
- b) Explain LOCATE command with example.
- c) Define the terms *Data Integrity* and *Data Consistency*?
- d) What is the purpose of REPORT FORM command? Explain with example.
- e) Discuss Relational Model.
- f) Discuss procedure for creating database structure.
- g) Explain ACCEPT and INPUT commands to input data.
- h) Discuss Browsing in multiple databases with examples.
- i) Explain copying database structure command with example.
- j) Explain how to create Structure Compound Index files.
- k) What is a program file? How can you create and run a program file?
- l) Explain the conversion of numeric data to character with examples.
- m) What is a memory variable? Discuss STORE command to create memory variable.
- n) Explain SUM and AVERAGE commands with examples.
- o) Explain with example to restrict data input with RANGE clause in @ ...SAY...GET.

A-19

P.T.O.

Section - B

(9 × 5 = 45)

- Q2)** What is a database system? What are the components of database system?
- Q3)** Explain the Hierarchical Model? Give its advantages and disadvantages.
- Q4)** Write down the commands to achieve the following in a database file in use:
- (a) Delete all records that have “Jalandhar” in the CITY field.
 - (b) Recall all the deleted records.
 - (c) Permanently remove all the records marked for deletion.
 - (d) Display all the records.
 - (e) Replace “Delhi” with “New Delhi” in the current record.
- Q5)** Differentiate between :
- (a) EDIT and BROWSE commands.
 - (b) DELETE and ERASE commands.
- Q6)** What is indexing of database? What are advantages and disadvantages of indexing over sorting?
- Q7)** Explain the SEEK command with suitable examples. How it differs from FIND command?
- Q8)** Discuss the five mathematical functions with examples.
- Q9)** Explain DO CASE-ENDCASE command with example.
- Q10)** Discuss the procedure to create and print Report of a database.
- Q11)** What are the commonly used PICTURE codes for @...SAY to format the text.
- Q12)** Explain the concept of opening and linking multiple databases with suitable examples.
- Q13)** Explain MONTH(), CTOD(), DOW(), DTOC() and CDOW() functions with examples.

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