

2023

**DATABASE MANAGEMENT SYSTEM ( Using Foxpro )**

**COMPUTER TECHNIQUE ( Paper – III )**

**( Vocational Stream )**

**( Theory )**

*Full Marks : 100*

*Time : 3 hours*

*The figures in the margin indicate full marks for the questions*

*General Instructions :*

- (i) Write all the answers in the Answer Script
- (ii) Attempt Part — A Objective Questions serially
- (iii) Attempt all parts of a question together at one place

( PART : A — OBJECTIVE )

( Marks : 50 )

- 1.** Fill in the blanks from the list of **words/phrases** given below : 1 × 10 = 10

- (a) The list, command list ——— records on the screen.

Based on the above File, write the commands to perform the following task : 4 × 4 = 16

- (i) Display the names of the students who are getting a grade 'C' in either GAME or SUPW.
- (ii) Display the different game offered in the school.
- (iii) Display the SUPW taken up by the students, whose name starts with 'A'.
- (iv) Display the name of those 'SUPW' student who has not taken 'Photography'.

**10.** What is a Macro in Foxpro? Explain. 4

**11.** Explain the usage of '@' command. 4

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DESCRIPTIVE

( Marks : 50 )

PART – A

( Marks : 30 )

Answer ANY THREE questions from the following

5. (a) Explain the difference between the following :  
(i) EDIT and CHANGE 3 + 3 = 6  
(ii) DELETE and PACK  
(b) Explain sorting with example. 4
6. (a) What are the advantages of Relational Database? Explain. 5  
(b) Explain IF-ENDIF and DO-CASE, -END CASE. 5
7. (a) Explain the feature of Foxpro report. 5  
(b) Write the difference between APPEND and APPEND BLANK with example. 5
8. (a) What is 'GATHER' and 'SCATTER' commands? Explain. 6  
(b) What is '??' command in Foxpro? Explain. 4

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2. State whether the following statements are *True* or *False* :  $1 \times 10 = 10$

- (a) By default, the menu bar is displayed in row 0.
- (b) The browse window can be divided in two horizontal windows.
- (c) One can use Foxpro function with SORT and INDEX.
- (d) To preview a report while designing it, Press ^P .
- (e) The 'WAIT' command displays "wait" on the screen.
- (f) DO WHILE .T. and DO WHILE .NOT. EOF( ) are similar.
- (g) The use of 'ELSE' with IF-ENDIF is optional.
- (h) ALLTRIM ( ) IS NOT supported in Foxpro.
- (i) CLEAR command clears texts only from the active window.
- (j) A scope cannot be used with SCAN-ENDSCAN.

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- (d) A DO WHILE programming structure ends with \_\_\_\_\_
- (i) END
  - (ii) ELSE
  - (iii) ENDDO
  - (iv) ENDIF
- (e) After we define an alternate file with SET ALTERNATIVE TO, we have use the \_\_\_\_\_ command to initiate storage of screen activity in the file.
- (i) SET TALK ON
  - (ii) SET ALTERNATE ON
  - (iii) SET STATUS ON
  - (iv) None of the above
- (f) The \_\_\_\_\_ command disables the debug and trace windows
- (i) SET DEBUG OFF
  - (ii) SET BUG ON
  - (iii) SET DEFAULT OFF
  - (iv) None of the above

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- (g) The command to modify a report format file is \_\_\_\_\_
- (i) Edit
  - (ii) Modify
  - (iii) Next
  - (iv) None of the above
- (h) The \_\_\_\_\_ command clears all data from the screen
- (i) Release
  - (ii) Clear
  - (iii) Restore
  - (iv) None of the above
- (i) CTOD ( ) is the reverse of the \_\_\_\_\_ function
- (i) STAR ( )
  - (ii) DTOC ( )
  - (iii) String ( )
  - (iv) None of the above

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3. Choose and write the correct option:  $1 \times 10 = 10$

(a) The default file extension name used with program files is \_\_\_\_\_

- (i) .DBF
- (ii) .PRG
- (iii) .PR
- (iv) None of the above

(b) ACCEPT creates a \_\_\_\_\_ type variable.

- (i) Integer
- (ii) Decimal
- (iii) Character
- (iv) All of the above

(c) To add a comment an executable command, prefix the comment with \_\_\_\_\_

- (i) &&
- (ii) \*
- (iii) ##
- (iv) None of the above

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(j) To resize the command window press \_\_\_\_\_ keys.

- (i) Ctrl + F2
- (ii) Ctrl + F8
- (iii) Ctrl + F5
- (iv) None of the above

4. Write short notes on the following in not more than three or four sentences each: (*Any Five*)  $4 \times 5 = 20$

- (a) SAY command
- (b) LOCATE command
- (c) LUPDATE ( ) command
- (d) APPEND command
- (e) The OR operator
- (f) ASCII command
- (g) ABS ( ) command
- (h) INSERT command

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- (b) To add more record at the end of any database file use the command \_\_\_\_\_.
- (c) ? MOD (1965, 100) returns \_\_\_\_\_.
- (d) To modify the structure of a database file \_\_\_\_\_ command is used.
- (e) The \_\_\_\_\_ converts a numeric data to a character string.
- (f) ? Round (1234.6,-2) returns \_\_\_\_\_.
- (g) The \_\_\_\_\_ function returns the name of years from a date expression.
- (h) The \_\_\_\_\_ removes blank space at the end of a character expression.
- (i) \_\_\_\_\_ removes all records from the current database file.
- (j) The \_\_\_\_\_ function returns the current record number.

**Lists of Words/Phrases/Commands:**

STR ( )	ZAP	RECNO ( )	YEAR ( )	PACK
TIME ( )	ALLTRIM	1200	TRIM ( )	ALL
CHAR ( )	1234	65	APPEND	MODI STRU

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PART – B

( Marks : 20 )

**Answer Question No. 9 and ANY ONE from the rest**

9. Consider the following table STUDENT.DBF with the structure details:

Field Name	Type	Width
Student _No	Numeric	2
Class	Numeric	1
Name	Character	10
Game	Character	12
Grade 1	Character	1
SUPW	Character	15
Grade 2	Character	1

**STUDENT.DBF RECORDS :**

Student_No.	Class	Name	Game	Grade1	SUPW	Grade2
10	7	Sameer	Cricket	B	Photography	A
11	8	Sujit	Tennis	A	Gardening	C
12	7	Kamal	Swimming	B	Photography	B
13	7	Veena	Tennis	C	Cooking	A
14	9	Archana	Basket Ball	A	Literature	A
15	10	Arpit	Cricket	A	Gardening	C