

2019

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 : 48)

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

- (a) The field name can be up to _____ characters long and must begin with a letter.

- (b) _____ moves the record pointer n records below the present record position.
- (c) The default file extension name used with program files is _____.
- (d) To add a comment to an executable command, prefix the comment with _____.
- (e) _____ permanently removes deleted records from the database.
- (f) _____ command pauses operation; “Press any key...” prompt.
- (g) _____ will allow us to change the structure of any database.
- (h) The command_____ to display all the records in screen/monitor.
- (i) _____ information means to group, arrange or classify it in some known order.
- (j) The _____ command to printer.

List of Words/Phrases/Keywords:

.Dat	M STRU	LIST	WAIT	DISPLAY
**	EIGHT	PRN	.PRG	MODI STRU
.DAT	SORTING	DELETE	PACK	&&
SHIFT	STOP	SKIP	KILL	@@

(3)

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

- (a) SET CONFIRM ON cursor advance to the next field / record only on pressing the Enter key.
- (b) RECALL undelete records deleted from the database with PACK.
- (c) BROWSE has a facility to turn off the vertical gridlines.
- (d) The Edit (change) window can be repositioned anywhere on the screen.
- (e) A database file is use cannot be copied but can be renamed.
- (f) One can use foxpro functions with SORT and INDEX.
- (g) One can index a database file in the descending order in all cases.
- (h) Data stored in an element of an array cannot be modified.
- (i) The report window is divided into parts.
- (j) Condition and scope can be used with SCATTER.

(4)

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

- (a) Which of the following is the database, where we can store any amount of data, pictures, digitized sound etc.
 - (i) General
 - (ii) Memo
 - (iii) Numeric
 - (iv) Float
- (b) Which of the following are considered as an attribute –
 - (i) School
 - (ii) Roll No.
 - (iii) Primary key
 - (iv) None of the above
- (c) The function to remove leading and trailing space from a character expression is –
 - (i) TRIM ()
 - (ii) LTRIM ()
 - (iii) RTRIM ()
 - (iv) ALLTRIM ()

(5)

- (d) 'ACCEPT' command creates a ____ type of variable –
- (i) Numeric
 - (ii) Memo
 - (iii) Character
 - (iv) None of the above
- (e) Which of the following appropriate command to determine whether or not Foxpro displays response to certain commands on the screen or a window –
- (i) SET TALK ON
 - (ii) SET STATUS ON
 - (iii) SET RESOURCE ON
 - (iv) None of the above
- (f) Which of the following symbol used to an executable command, prefix the comment with –
- (i) **
 - (ii) &&
 - (iii) ==
 - (iv) ||

(6)

- (g) Which of the following command will give the program execution a pause –
- (i) PAUSE
 - (ii) WAIT
 - (iii) CASE
 - (iv) None of the above
- (h) The purpose of the EXIT command in Foxpro is to
- (i) Take out of a conditional loop
 - (ii) Take out of Foxpro
 - (iii) Transfer the control to a different procedure
 - (iv) None of the above
- (i) Round (189,89,0) returns
- (i) 188
 - (ii) 191
 - (iii) 190
 - (iv) 189.9

(7)

(j) What will be the function returns the square root of 120 –

(i) SQT ()

(ii) SQRT (120)

(iii) SQT (120)

(iv) None of the above

4. Write short notes of the following in not more than three or four sentences each: (*Any six*) $3 \times 6 = 18$

(a) The .OR. operator

(b) SET RELATION

(c) DISPLAY command

(d) DELETE command

(e) COUNTER FOR

(f) The 'DATABASE' files

(g) The 'INDEX' file

(h) LOCATE Command

(i) PACK command

(8)

DESCRIPTIVE

(Marks : 52)

PART – A

(Marks : 30)

Answer *ANY THREE* questions from the following

5. (a) Write short notes on the following functions:
(*Any Two*) : $2\frac{1}{2} + 2\frac{1}{2} = 5$

(i) SET CENTUARY

(ii) SET STATUS BAR

(iii) SET REFRESH

(b) Distinguish between: (*Any Two*) $2\frac{1}{2} + 2\frac{1}{2} = 5$

(i) FIND and SEEK

(ii) Display Structure and List Structure

(iii) DELETE AND PACK

6. (a) Briefly explain the Compound index file in Foxpro. 4

(b) What is the purpose of REPLACE command? Give its syntax with example. 6

7. (a) Explain with example the usage of *any two* of the following : $3 + 3 = 6$

(i) ALLTRIM ()

(ii) AT ()

(iii) CMONTH ()

(9)

(b) Write the syntax of the @...SAY command and @... GET command. $2 + 2 = 4$

8. (a) What is a variable in DBMS program? Explain with suitable example. $2 + 2 = 4$

(b) Write short notes on the use of the following functions: $2 \times 3 = 6$

(i) FLOOR ()

(ii) DAY ()

(iii) ROUND ()

PART – B

(Marks : 22)

Answer Question No. 10 and ANY ONE from the rest.

9. Consider the following table LIBRARY.DBF with the structure details : $4 \times 4 = 16$

FIELD NAME	TYPE (SIZE)	REMARK	EXAMPLE
ISBN	Numeric	A unique number	LB001, LB002,...
BK_NAME	Character (80)	Book Name	Foxpro 2.5, Programming
SUBJECT	Character(25)	Subjects	Macro Economics.
AUTHOR	Character(50)	Writer's name	Fundamental of 'Python'
PRICE	Numeric(8)	Price of the book	Rs. 439.50
EDITION	Numeric(4)	Year of Publication	2012
COPIES	Numeric(3)	Total Copy purchased	460
QWS	Numeric(3)	Quantity With Students	205
QOH	Numeric(3)	Quantity On Hand	309

(10)

(a) Display those students list who takes books, which were published in the year 2014.

(b) Display those books name starts with the alphabet 'A'.

(c) Display those books list which are in hand of the Librarian.

(d) Take a printout of those books name, whose Price is more than Rs. 200.

10. Define the memory variable. Explain the three ways to create memory variable in Foxpro. $2 + 4 = 6$

11. Explain briefly the use of 'SCAN' and 'ENDSCAN' in a Foxpro program. What is the use of 'LOOP' and 'EXIT' in the 'DO-WHILE' --- 'ENDDO' structure? $2 + 4 = 6$

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