

Answer the following queries from the following : $4 \times 4 = 16$

- (a) List and printout of those books name whose price is more than Rupees 250.
- (b) Display those books name starts with the alphabet "S"
- (c) Lists those books whose Edition in 2019.
- (d) List those books which are with students.

10. What is the function and purpose of the SCATTER and GATHER command? 4

Or

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

★★★

2022

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 : 30)

1. Fill in the blanks from the list of **words/phrases** given below : $1 \times 10 = 10$

- (a) The Field Name can see upto _____ character long and must begin with a letter.

(8)

DESCRIPTIVE

(Marks : 50)

PART – A

(Marks : 30)

Answer ANY THREE questions from the following

5. (a) Explain the difference between the following
Foxpro command : $2.5 + 2.5 = 5$
(i) SORT and INDEX
(ii) FIND and SEEK
(b) What is a Database file, Records and Field?
Explain. 5
6. (a) What is the purpose of the following Foxpro
command : $2.5 + 2.5 = 5$
(i) SET TALK OFF / ON
(ii) SET STATUS BAR
(b) Briefly explain the compound Index file in Foxpro. 5
7. (a) Explain with example the usage of ANY TWO of
the following : $3 + 3 = 6$
(i) AT ()
(ii) TRIM ()
(iii) IIF ()
(b) What are the advantages of Relational Database?
Explain 4

(3)

2. State whether the following statements are *True* or
False : $1 \times 10 = 10$
- (a) One can use Foxpro functions with SORT and
INDEX.
- (b) A database file can be sorted on a combination of
fields.
- (c) CLEAR command clears text only from the active
window.
- (d) By default, the menu bar is displayed in row 0.
- (e) When a popup is activated the highlight is always
placed on the first bar.
- (f) Nesting of popups is limited to two levels.
- (g) Foxpro commands can be abbreviated but
functions can not be abbreviated.
- (h) CLOSE ALL closes all files in all work areas.
- (i) LOCK () and FLOCK () are identical function.
- (j) INT () returns the integer portion of a numeric
expressions.

(5)

(d) Which of the following is the Primary key field in a ITEM database file –

- (i) IT_NAME
- (ii) IT_PRICE
- (iii) ITEM_NO
- (iv) None of the above

(e) What is the appropriate command to explore the data base file –

- (i) BROWSE
- (ii) APPEND
- (iii) EDIT
- (iv) MOD

(f) The _____ command clears all data from the screen

- (i) CLEAR
- (ii) RESTORE
- (iii) RELEASE
- (iv) None of the above

(6)

(g) Which of the following symbol returns true if a character expression is contained in another character expression –

- (i) #
- (ii)
- (iii) \$
- (iv) **

(h) What is the function which returns the nearest integer that is greater than or equal to the specific numeric expression –

- (i) INT ()
- (ii) CEILING ()
- (iii) ABS ()
- (iv) MIN ()

(i) What is the command to print a particular list of record –

- (i) TO PRN
- (ii) LIST TO PRINT
- (iii) PRINT RECORD TO PRN
- (iv) None of the above

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

(a) Which of the following are consider as an attribute

- (i) School
- (ii) Roll No.
- (iii) Primary Key
- (iv) None of the above

(b) 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

(c) To open a database file, which will be the appropriate command–

- (i) USE <DATABASE FILE NAME>
- (ii) OPEN <DATABASE FILE NAME>
- (iii) Both (i) and (ii)
- (iv) None of the above

(j) Which of the following function return's a number corresponding to the first key pressed or mouse click in the typehead buffer –

- (i) INKEY ()
- (ii) INLIST ()
- (iii) ISDIGIT ()
- (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) SET RELATION
- (b) DISPLAY command
- (c) IF () function
- (d) CREATE command
- (e) Purpose of 'OR' operator
- (f) DELETE command
- (g) The 'INDEX' file
- (h) SET CLOCK

(2)

- (b) The _____ command is used to add more record at the end of any database file.
- (c) While defining the statement file, we need to assign a unique _____ for each field.
- (d) The default date format in Visual Foxpro is _____.
- (e) The extension of a database table file is _____.
- (f) The _____ command is used to exit from Foxpro to DOS.
- (g) The command to modify a report format file is _____.
- (h) ROUND (189.89.0) RETURNS _____.
- (i) _____ function returns the expression with the lowest value.
- (j) _____ function returns the value of e raised to the power of $n^{\text{th}}(e^n)$.

Lists of Words/Phrases/Commands:

Add	American	.DBF	8 Letter	190
Field Name	Modify Report	QUIT	append	MIN ()
MAX ()	10 Letter	exp ()	British	expression

(9)

8. (a) Explain 'COPY TO ARRAY' and 'APPEND FROM ARRAY'. 5
- (b) Write a program in Foxpro to print n number of Fibonacci series. 5

PART – B

(Marks : 20)

Answer Question No. 9 and ANY ONE from the rest

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

Field Name	Type (Size)	Remark	Example
ISBN	Numeric (4)	A unique number	LB001, LB002...
B_Name	Character (70)	Book Name	Programming in C
SUB	Character (25)	Subject	Computer Science
Author	Character (50)	Writer's Name	B. Balagurusamy
Price	Numeric (8)	Price of the Book	350.00
Edition	Numeric (4)	Year of Publication	2019
Copies	Numeric (3)	Total copy purchased	500
QWS	Numeric (3)	Quantity with students	301
QOH	Numeric (3)	Quantity On Hand	199