

A2-R3: BUSINESS SYSTEMS

NOTE:

1. There are **TWO PARTS** in this Module/Paper. **PART ONE** contains **FOUR** questions and **PART TWO** contains **FIVE** questions.
2. **PART ONE** is to be answered in the **TEAR-OFF ANSWER SHEET** only, attached to the question paper, as per the instructions contained therein. **PART ONE** is **NOT** to be answered in the answer book.
3. Maximum time allotted for **PART ONE** is **ONE HOUR**. Answer book for **PART TWO** will be supplied at the table when the answer sheet for **PART ONE** is returned. However, candidates, who complete **PART ONE** earlier than one hour, can collect the answer book for **PART TWO** immediately after handing over the answer sheet for **PART ONE**.

TOTAL TIME: 3 HOURS

TOTAL MARKS: 100
(PART ONE – 40; PART TWO – 60)

PART ONE **(Answer all the questions)**

1. Each question below gives a multiple choice of answers. Choose the most appropriate one and enter in the “tear-off” answer sheet attached to the question paper, following instructions therein. (1 x 10)
 - 1.1 Purchases from suppliers form part of
 - A) Subsidiary ledger
 - B) Payroll transaction file
 - C) Balance sheet
 - D) Sales register
 - 1.2 The objective in maintaining an inventory control operation is
 - A) To maximize the money invested
 - B) To reduce the cost of storing, handling and insuring a large quantity of goods
 - C) Hard Disk
 - D) Arithmetic Logic Unit
 - 1.3 Which of the following is true about a disk file where WRITE statement will always place a record in the next physical position?
 - A) Sequential file
 - B) Relative file
 - C) Indexed file
 - D) None of the above
 - 1.4 The most efficient and well designed computerized payroll system would be
 - A) On-line real time system
 - B) Batch processing system
 - C) Both A) and B)
 - D) None of the above

- 1.5 If AGE and SALARY are numeric fields in a database file, which of the following commands is incorrect.
- A) REPLACE ALL AGE WITH AGE+1 FOR AGE < 20
 - B) REPLACE ALL AGE WITH AGE+1 WHILE AGE > 20
 - C) REPLACE AGE WITH AGE+1 FOR AGE < 20 ALL
 - D) All of the above
- 1.6 The command to create a new database file based on two open database files is
- A) SET RELATION
 - B) UPDATE
 - C) JOIN
 - D) None of the above
- 1.7 ? STUFF ("Baby",3,2,"ba") returns
- A) baby
 - B) baba
 - C) Baba
 - D) Bob
- 1.8 The command REINDEX will
- A) Rebuild all open index files in the currently SELECTed work area using the key expression defined by the original INDEX command
 - B) Rebuild all the index files on the hard disk
 - C) Rebuild all the index files in a particular directory
 - D) Both B) and C) above are correct
- 1.9 Which of the following is an invalid command?
- A) SET TALK OFF
 - B) SET BELL ON
 - C) SET DATE TO BRITISH
 - D) SET ALTE ON
- 1.10 The command ? ISALPHA("D1353") will return
- A) D
 - B) .F.
 - C) .T.
 - D) None of the above

2. Each statement below is either TRUE or FALSE. Choose the most appropriate one and ENTER in the “tear-off” sheet attached to the question paper, following instructions therein. (1 x 10)

- 2.1 A suspense account reflects balances which do not have clear cut account heads defined.
 2.2 A purchase transaction increases the liability of a company.
 2.3 Invoice detail file is a master file in a sales invoicing system.
 2.4 In indexed sequential operation, records are held in sequential order on the disk and the index is kept permanently on the main storage for fast access.
 2.5 While creating a report with CREAT REPORT, each record can occupy only one detail line.
 2.6 Structured programming diminishes the efficiency of coding of programs.
 2.7 SORT ON NAME + AMOUNT TO BANK is a valid command.
 2.8 If a database file contains 5 fields, its structural compound index file can have a maximum of 5 index tags.
 2.9 ALLTRIM() removes leading blanks from the specified character expression.
 2.10 Consider the following code:

```
X="Hello! How are you?"
? LEN(X)
```

will return the value as 16.

3. Match words and phrases in column X with the closest related meaning/ word(s)/phrase(s) in column Y. Enter your selection in the “tear-off” answer sheet attached to the question paper, following instructions therein. (1 x 10)

X		Y	
3.1	Inventory control	A.	match Dr and Cr
3.2	Stockout	B.	warning signal
3.3	Re-order level	C.	sends to printer
3.4	???	D.	displays in the same line
3.5	VAL()	E.	ABC analysis
3.6	TRANSFORM()	F.	inventory malfunction
3.7	IIF()	G.	provides a picture formatting to the numeric output
3.8	Double entry books	H.	results in compactness in the program code
3.9	ALIAS	I.	copies the contents of previous record to the text
3.10	SET CARRY ON	J.	links the active database file to another database file
		K.	alternate name for a database file
		L.	removes all records

4. Each statement below has a blank space to fit one of the word(s) or phrase(s) in the list below. Enter your choice in the “tear-off” answer sheet attached to the question paper, following instructions therein. (1 x 10)

A.	query language	B.	fields	C.	data processing
D.	Identify the problems	E.	two	F.	data definition language
G.	system flow chart	H.	LOCATE	I.	data manipulation language
J.	transaction file	K.	three	L.	ASTERISKS

- 4.1 Every business transaction has _____ effects.
- 4.2 The _____ is used to define the structure of a database.
- 4.3 The _____ enables users to define their requirements for extracting the desired information from the database in the form of queries.
- 4.4 _____ is defined as a series of actions or operations, which convert data into useful information.
- 4.5 _____ is used to store input data until it can be processed.
- 4.6 _____ are the basis of FoxPro's indices.
- 4.7 Physical model of an information system is represented by _____.
- 4.8 If the table has no appropriate indices, you have to use _____.
- 4.9 The _____ command clears all data from the current window.
- 4.10 A periodic report can be used to _____.

PART TWO
(Answer any **FOUR** questions.)

- 5.**
- a) Explain the role of planning in business.
 - b) What are the commonly used file organizations in business data processing?
 - c) What do you understand by object linking and embedding? Explain it.
- (5+5+5)**
- 6.**
- a) Distinguish between a master file and a transaction file.
 - b) How information is stored by FoxPro?
 - c) Distinguish between logical and relational operators?
- (5+5+5)**
- 7.**
- a) What is a relational database system? Explain with example.
 - b) Explain the IIF() function with an example.
 - c) Explain advantages of programming in visual FoxPro.
- (5+5+5)**
- 8.**
- a) What is the purpose of SET FILTER command? Give an example.
 - b) How forms are generated in visual FoxPro?
 - c) Explain one-to-many and many-to-one queries.
- (5+5+5)**
- 9.**
- a) How does a computerized payroll system work?
 - b) A database file ADDRESS contains name and address of employees working in a company. Write a program in visual FoxPro to accept the name of a person in a variable. Also check whether it exist in a database or not. If the file exists, display the NAME and AGE from the database, otherwise display a message- "Name not found".
- (7+8)**