

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 Which one of the following is not a liability?

- A) Investments
- B) Secured loans
- C) Share capital
- D) Reserves and surplus

1.2 When information flows from one department to another department, it is termed as:

- A) Vertical flow
- B) Parallel flow
- C) Horizontal flow
- D) Departmental flow

1.3 In executing a computer program ‘subtraction’ has been performed in place of addition erroneously. The error may be called.

- A) Syntax error
- B) Arithmetic error
- C) Error of commission
- D) Logic error

1.4 Identify the invalid field name out of the following:

- A) “RS.35.89”
- B) “CURRENCY”
- C) PQR 32
- D) “32 PQR”

1.5 Which of the following statements is false?

- A) FIND and SEEK commands need Index file.
- B) CONTINUE cannot be used to find the next matching record after using FIND/SEEK.
- C) Contents of a variable can be searched with FIND and SEEK commands.
- D) None of the above.

1.6 If SENT is a logical field in a database file, which of the following is a valid command?

- A) DISPLAY FOR SENT = "T"
- B) DISPLAY FOR SENT = ".T."
- C) DISPLAY FOR SENT
- D) DISPLAY FOR SENT = T

1.7 The command used to add a new field to an active database file is

- A) MODIFY LABEL
- B) MODIFY COMMAND
- C) MODIFY STRUCTURE
- D) MODIFY REPORT

1.8 Payroll is integrated with financial accounts through

- A) A month and journal voucher
- B) On-line updation
- C) Maintaining each employees record in a subsidiary ledger
- D) All of the above

1.9 The command used to change the contents of a database file using contents of another file by linking them on a common key field is

- A) REPLACE
- B) UPDATE
- C) CHANGE
- D) JOIN

1.10 If AGE and SALARY are numeric field in a database file, which one of the following commands is correct?

- 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.

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 In double entry book keeping system, it is not necessary that debit equal credit.
- 2.2 Managing Director of a Private Limited Company is the owner of the company.
- 2.3 In software development life cycle the coding phase will precede design phase.
- 2.4 The computer can execute the source program and not the object program.
- 2.5 The REINDEX command automatically re-indexes all open index files for the database file open in the current work area.
- 2.6 When a database file ABC.dbf is opened its index file ABC.cdx is opened automatically.
- 2.7 CLOSE ALL closes all files in all work areas.
- 2.8 LOCK() and FLOCK() are identical functions.
- 2.9 IF – ENDIF cannot be used within DO CASE - ENDCASE
- 2.10BOF() returns true when the record pointer is at the first record.

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 EQQ	A. Programming aid
3.2 Pseudo code	B. Also copies index file
3.3 SET FILTER	C. ACCEPT / SPACE
3.4 WITH CDX	D. Executes a DOS program
3.5 Current Assets	E. Creditors Analysis
3.6 Creates Character Variable	F. Flow Chart
3.7 RUN	G. Financial Accounts
3.8 Purchase bills	H. Inventory Management System
3.9 Diamond	I. TIME OUT
3.10 Used with WAIT WINDOW	J. Restricts number of records with commands
	K. Timely supply
	L. Dead Lock

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.	CONFIG.FPW	B.	SET SKIP TO	C.	Cost
D.	Character	E.	ALL TRIM()	F.	Centralized
G.	Left & Right parenthesis	H.	Set function	I.	Balance Sheet
J.	ABC Analysis	K.	A replica	L.	config.sys

- 4.1 Computerized Railway reservation system is an example of _____ data processing system.
- 4.2 After every year the accountant merges the profit and loss of operations with _____.
- 4.3 _____ is a method where high value and bulk items are monitored for effective control of materials.
- 4.4 Where as Foxpro for DOS uses CONFIG.FP as the configuration file, Foxpro for Windows uses the _____ file.
- 4.5 The _____ command clears the one-to-many relationship.
- 4.6 Inventory included in the _____ of the item.
- 4.7 The REPLICATE() function repeats a specified _____ expression.
- 4.8 Pay image file is _____ of Pay slip.
- 4.9 The _____ function removes leading and trailing blanks from a character expression.
- 4.10 The delimiters used to delimit subscripts, indexes, and conditions for arithmetic expressions are _____.

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

5.

- a) What are the main problems that can arise in capturing raw data for use within a computer system?
- b) Why is data validation necessary? What are the different types of data validation checks that are kept in a programme?
- c) Distinguish between structure programming and modular programming.

(5+5+5)

6.

- a) How information is stored by FoxPro?
- b) How does indexing works?
- c) What is the relational database system? Explain with example.

(5+5+5)

7.

- a) What are the three commonly used file organizations in business data processing? Describe any one-file organization.
- b) Explain Query designer and multiple tables.

(10+5)

8.

The database table called PERSON contains the fields NAME, BASIC and HRA. Write a set of commands to print a report with employee name and total salary for those employees whose total salary is more than 2000. Total salary = BASIC + HRA. At the end, the program should also print the total number of employees with those whose total salary is more than 2000.

(15)

9.

- a) What do you understand by Object Linking and Embedding?
- b) Describe Computerised Inventory Control System.

(5+10)