

Series : SKS/1

Code No. **180/1**

Roll No.

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Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains **4** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **4** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

## BUSINESS DATA PROCESSING (Theory)

*Time allowed : 3 hours ]*

*[ Maximum Marks : 50*

**Note : All questions are compulsory.**

1. Fill in the blanks : 8
- (a) The package used for calculating salary in an organization is called \_\_\_\_\_.
  - (b) \_\_\_\_\_ software can speed the inventory process.
  - (c) By default Visual Basic variables are of \_\_\_\_\_ data types.
  - (d) A local variable is one that is declared \_\_\_\_\_ a procedure.
  - (e) \_\_\_\_\_ is the shortcut key in MS Excel for current date.
  - (f) A worksheet can have a maximum of \_\_\_\_\_ Number of rows.
  - (g) \_\_\_\_\_ allows you to build a new table by entering data directly into the datasheet.
  - (h) \_\_\_\_\_ data type can store up to maximum of 65, 535 characters in Access.
2. Answer the following briefly : 8
- (a) Give the output of the command RTRIM(LTRIM(" RAJ NIWAS ")).
  - (b) What is the function of the NOT operator ?
  - (c) What is a GUI ?
  - (d) Explain the term Frame.
  - (e) What is the purpose of the property Alignment in TextBox control ?
  - (f) Differentiate between Pie chart and Doughnut chart.
  - (g) What is Inventory Analysis ?
  - (h) Write the full form of DML.



3. Multiple Choice Questions (Justify your answer in one line).

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- (1) Input Box is used to
- (a) Accept data from the user
  - (b) Display data on the monitor
  - (c) Display data on the printer
  - (d) Delete data from the memory
- (2) How many times will the following loop execute ?
- ```
DIM BOOKS  
BOOKS=2  
DO WHILE(BOOKS)  
BOOKS=7;  
LOOP
```
- (a) 0
  - (b) 5
  - (c) Infinity
  - (d) None of the above
- (3) Extension of an form files in VB is :
- (a) FRM
  - (b) FOR
  - (c) FRO
  - (d) FMM
- (4) Logical operators are used to :
- (a) operate logical values
  - (b) manipulate data arithmetically
  - (c) remove data contents from the memory
  - (d) transfer values to another program
- (5) How many sheets does a MS Excel workbook have ?
- (a) 64
  - (b) 8
  - (c) 32
  - (d) None of the above
- (6) DBMS stands for :
- (a) Data Base Application System Extended
  - (b) Data Base Management System
  - (c) Data Business Management System
  - (d) None of the above
- (7) Which one of the following is a loop in VB ?
- (a) FOR
  - (b) DO
  - (c) WHILE
  - (d) All the above
- (8) A program construct used for selection is :
- (a) iteration
  - (b) for loop
  - (c) select case
  - (d) a sequence



4. Answer the following : 2
- (a) Predict the output : 2  
 Dim x As Integer  
 For x = 1 To 10  
 Print x  
 If x = 5 Then  
 Print "The program exited at x = 5"  
 Exit For  
 End If  
 Next
- (b) Rewrite the above code using do while...loop 2
- (c) Write the difference between picture box and image box. 2
- (d) Write a program in visual basic to accept a number from user and to print the sum from 1 till that number. (Hint : If the number entered is 5 then it should print 1+2+3+4+5) 2
- (e) What is the use of day book ? 2
- (f) Define Degree of a Relation. 1
- (g) Refer to the worksheet shown below and answer the following :

| Maximum |         |        |         |       |       |       |
|---------|---------|--------|---------|-------|-------|-------|
|         | A       | B      | C       | D     | E     | *F    |
| 1       | MARKS   |        |         |       |       |       |
| 2       |         |        |         |       |       |       |
| 3       | S No.   | NAME   | ENGLISH | HINDI | MATHS | TOTAL |
| 4       | 1       | Kartik | 67      | 56    | 89    |       |
| 5       | 2       | Huma   | 78      | 76    | 54    |       |
| 6       | 3       | Leena  | 71      | 65    | 98    |       |
| 7       | 4       | Mayank | 67      | 87    | 97    |       |
| 8       |         |        |         |       |       |       |
| 9       | Average |        |         |       |       |       |
| 10      | Maximum |        |         |       |       |       |
| 11      |         |        |         |       |       |       |
| 12      |         |        |         |       |       |       |
| 13      |         |        |         |       |       |       |
| 14      |         |        |         |       |       |       |

- (i) Write the formula to calculate the Total marks in F4. 1
- (ii) Write the formula to calculate the average marks for English in C9. 1
- (iii) Write the formula to be written in D10 for calculating maximum Hindi marks. 1
- (iv) Write which referencing will be used in copying the formula for total to all the rows till F7. 1



(h) Study the following data given below and answer the following:

**WORKERS**

| W_ID | F_NAME | L_NAME   | ADDRESS            | CITY      |
|------|--------|----------|--------------------|-----------|
| 102  | John   | Tones    | 33, elmst          | Paris     |
| 105  | Smith  | Ackerman | 440 US 110         | New York  |
| 144  | Lara   | Sengupta | 24, friends street | New Delhi |
| 210  | George | Smith    | 83, First street   | Howard    |

**DESIGNATION**

| W_ID | SALARY | DESIGNATION |
|------|--------|-------------|
| 102  | 75000  | Manager     |
| 105  | 85000  | Director    |
| 144  | 75000  | Manager     |
| 210  | 70000  | Manager     |

- (i) Write the data types for different fields of table WORKERS. 2
- (ii) Write the name of the foreign key in table DESIGNATION. 1
- (iii) What type of relationship exist in these tables ? 1
- (iv) What is the cardinality of the table DESIGNATION ? 1
- (i) Define the term Candidate key with respect to a database. 1
- (j) Name any two DBMS. 2
- (k) What is payroll ? 2
- (l) Which data type, can store a .gif file in Access ? 1