

Series SOS

Code No. 180

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 **6** 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 script during this period.

BUSINESS DATA PROCESSING

(Theory)

Time allowed : 3 hours

Maximum Marks : 50

Note : *All questions are compulsory.*

1. Fill in the blanks :

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- (a) IDE is : _____ .
- (b) The reference library of Visual Basic books is called _____ .
- (c) The number of rows in a Excel worksheet is _____ .
- (d) Data can be arranged in ascending or descending order in Excel by using _____ command.
- (e) _____ field type is used to store picture in a table.
- (f) _____ command is used to add record to the end of active database file and starts full screen data entry.
- (g) The inventory is used for _____ .
- (h) The package used for calculating salary in an organization is called _____ .

2. Answer the following briefly :

8

- (a) A form in Visual Basic is saved with which extension ?
- (b) Which property makes a table available for connectivity ?
- (c) What is a Balance Sheet ?
- (d) What is Inventory Analysis ?
- (e) What is a relation ?
- (f) Define query.
- (g) Explain the auto fill feature.
- (h) What is meant by sorting of data ?

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

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- (a) You want to keep track of addresses, phone numbers, parent/guardian names as well as class attendance, average and grades of students. Every so often you want to send reports home that select failing grades and excessive absences. Which part of the Microsoft Office suite used in this course is best suited for this kind of information ?
 - (i) Excel
 - (ii) PowerPoint
 - (iii) Access
 - (iv) Word
- (b) Which action do you use in a macro to automatically send a report snapshot in an email message ?
 - (i) Use mail
 - (ii) Send object
 - (iii) Run macro
 - (iv) All of the above
- (c) Which of the following is concatenating operator ?
 - (i) Apostrophe (')
 - (ii) Exclamation (!)
 - (iii) Ampersand (&)
 - (iv) Hash (#)

- (d) The table wizard
- (i) Quickly creates a default report
 - (ii) Displays a subset of the data in a database
 - (iii) Contains sample tables and fields you can use to create a table
 - (iv) Automatically edits your data as you enter it
- (e) Data can be arranged in ascending or descending order by using
- (i) Sort command from Table menu
 - (ii) Sort command from Data menu
 - (iii) Sort command from Tools menu
 - (iv) None of these
- (f) What data-type is a numeric value entered into a text box treated as by default ?
- (i) Integer
 - (ii) String
 - (iii) Variant
 - (iv) None of the above
- (g) In a company payroll is the sum of all financial records of
- (i) wages
 - (ii) deductions
 - (iii) salaries and bonuses
 - (iv) All of the above
- (h) What would be the result of Val(Text1.Text) if you entered in \$3,000 ?
- (i) 3000
 - (ii) 3
 - (iii) 0
 - (iv) Run-Time Error

4. Answer the following :

- (a) Given question is based on the following code :

```
Private Sub cmdValidate_Click()  
Dim intUserInput As Integer  
Dim X As Currency  
  
intUserInput = CInt(txtNum1.Text)  
X = 40  
  
If intUserInput > X Then  
    Print "True"  
    txtNum1.Text = intUserInput & " > " & X  
ElseIf intUserInput = X Then  
    Print "True"  
    txtNum1.Text = intUserInput & " = " & X  
Else  
    Print "False"  
    txtNum1.Text = intUserInput & " < " & X  
End If  
End Sub
```

What output is displayed when the user enters 60 into the textbox and clicks on the command button ?

- (i) False printed on the form and 60 > 40 in the textbox
(ii) True printed on the form and 60 > 40 in the textbox
(iii) A Run-Time error occurs
(iv) None of the above
- (b) Write the difference between visible property and enabled property of a text box.
- (c) Write the use of form window.
- (d) Write a program in Visual Basic to accept a number and to display its factorial.
(Hint : factorial of 4 = 4*3*2*1=24)

(e)

Microsoft Excel - Book1

File Edit View Insert Format Tools Data Window Help

G8

	A	B	C	D	E	F
1	RESULT SHEET					
2						
3	Name	English	Maths	Science		
4						
5	Kiran	45	89	96		
6	Rahim	89	45	89		
7	Daljeet	67	65	78		
8	John	78	83	66		
9						

Refer to the worksheet shown above :

- (i) Write the formula to calculate the average marks in Science. 1
- (ii) Write the formula to calculate the min marks in English. 1
- (iii) Write the formula to be written in E5 for calculating total marks of Kiran. 1
- (iv) Write which referencing will be used in copying the formula for total marks to all the rows till E8. 1

(f) Study the relation given below and answer the following :

FL_NO	ST_PT	END_PT	NO_OF_FLIGHTS	NO_OF_STOPS
IC301	Mumbai	Delhi	8	0
IC799	Bangalore	Delhi	2	1
MC101	Indore	Mumbai	3	0
MU499	Delhi	Mumbai	8	0

Suggest the datatypes that should be used for each of the fields in the table.

2

- (g) Consider one more table as shown :

FL_NO	AIRLINES	FARE	TAX%
IC301	Indian	6500	10
MC101	Kingfisher	3500	10
IC799	Indian	9400	5
MU499	Sahara	7500	5

Which type of relationship exists between these two tables ?

2

- (h) Define the terms Primary key and Alternate key with respect to a database. 2
- (i) Name any four application areas of databases. 2
- (j) What field type is used to store picture in a table ? 1
- (k) What is Inventory control ? 2
- (l) Which operators are used to compare values ? 1
- (m) What is the use of balance sheet ? 2