Series SMA

Code No. 180

Roll No. | | | | | | | |

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-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 use of the 'Rem' keyword in VB denotes _____ .

(b) A statement that cannot execute properly in a VB project is a result of a _____ .

(c) A typical Excel worksheet has _____ number of columns.

(d) _____ characters can be typed in a single cell in Excel.

(e) _____ creates a drop down list of values to choose from.

(f) _____ uniquely identifies each record.

(g) The PAYROLL package is used for _____ .

(h) _____ software can speed the inventory process.

2. Answer the following briefly : *8*

(a) Which operator(s) has (have) the highest order of precedence in arithmetic expressions ?

(b) In MS-ACCESS, which Field type can store photos ?

(c) What is the meaning of referential integrity ?

(d) What is the extension of a form in VB ?

(e) Which button in MS-EXCEL do you click to add up a series of numbers ?

(f) Which key will be used to select multiple non-adjacent cells in a worksheet ?

(g) Payroll accounting department is responsible for which function ?

(h) What is Inventory Analysis ?

3. Multiple Choice Questions (Justify your answer in one line) *8*

(a) In one-to-many relationship the table in 'one' side is called _____ and on 'many' side is called _____ .

(A) Child, Parent

(B) Parent, Child

(C) Brother, Sister

(D) Father, Son

(b) The Default and Maximum Size of Text Field in Access is

(A) 50 and 255 Characters

(B) 8 and 1 Gb

(C) 266 Characters & 64000 Characters

(D) None of the above

(c) Which of the following is an absolute cell reference ?

(A) !A!1

(B) A1

(C) #a#1

(D) A1

(d) Which symbol must all formulae begin with ?

(A) =

(B) +

(C) (

(D) @

(e) A memory location that changes during project execution is known as a _____ .

(A) Dimension

(B) Constant

(C) Static

(D) Variable

(f) A program construct used for selection is

(A) iteration

(B) for loop

(C) select case

(D) a sequence

(g) Which of the following departments should have the responsibility for authorizing payroll rate changes ?

(A) Personnel

(B) Payroll

(C) Treasurer

(D) Timekeeping

(h) Proper internal control over the cash payroll function would mandate which of the following ?

(A) The payroll clerk should fill the envelopes with cash and a computation of the net wages.

(B) Unclaimed pay envelopes should be retained by the paymaster.

(C) Each employee should be asked to sign a receipt.

(D) A separate checking account for payroll should be maintained.

4. Answer the following :

(a) Rewrite the following code using Select ... Case. 2

```
x = text1.text
if x = 'z' then
print ''garde I''
elseif x = 'c' OR x = 'b' then
print ''garde II''
elseif x = 'd' then
print ''garde IV''
else
print ''garde V''
end if
```

(b) Predict the output : 2

```
Dim x
x=21
if x < 10 then
x = x+1
elseif x > 20 then
x = x-1
else
x=25
end if
print x
```

(c) Write the difference between text box and label. 2

(d) Write a program in Visual Basic to accept a number from user and to print the factorial of that number. 2

(Hint : If the number entered is 5 then its factorial is 5 * 4 * 3 * 2 * 1)

(e) What is Inventory Control ? 2

(f) Expand IDE. 2

(g) Refer to the worksheet shown below :

	A	B	C	D	E
1	**EMPLOYEE SALARY**				
2	NAME	BASIC	DA	HRA	TOTAL
3	RAJ	12060			
4	HARI	15090			
5	KAMNA	13000			
6	REENA	9000			

(i) Write the formula to calculate the DA in C3 which is 30% of Basic. *1*

(ii) Write the formula to calculate the HRA in D3 which is 40% of Basic. *1*

(iii) Write the formula to be written in E3 for calculating total which is sum of Basic, DA and HRA. *1*

(iv) Write which referencing will be used in copying the formula for total to all the rows till E6. *1*

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

Table : **FLIGHTS**

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

Table : **FARES**

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

(i) Suggest the datatypes that should be used for each of the fields in the table FLIGHTS. *2*

(ii) Write the name of the field from the table FARES, which can be set as foreign key. *1*

(iii) What type of relationship exists in these tables ? *1*

(i) Define the terms Candidate key and Alternate key with respect to a database. *2*

(j) Name any two RDBMS. *2*

(k) What is payroll ? *2*

(l) Which data type can store upto a maximum of 65,535 characters ? *1*