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 minute 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 default data-type in Visual Basic is _____.

    (b) The result of CInt(50000) will be _____.

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

    (d) _____ software can speed the inventory process.

    (e) _____ data type can store up to maximum of 65,535 characters in Access.

    (f) _____ allows you to build a new table by entering data directly into the datasheet.

    (g) The PAYROLL package is used for _____.

    (h) _____ command is used for inserting records.

2. Answer the following briefly : 8

(a) What is the extension of VB project ?

(b) Write the name of the object used for database connectivity.

(c) What is a GUI ?

(d) Explain the term Frame.

(e) What do you mean by protecting a worksheet ?

(f) Differentiate between text and memo data type in Access.

(g) Define cell in a worksheet.

(h) What is the meaning of referential integrity ?

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

(a) Query is a statement requesting for

(i) Insertion of information

(ii) Deletion of information

(iii) Update of information

(iv) Retrieval of information

(b) You can switch back and forth between design and datasheet view by clicking the

(i) Queries object tab

(ii) Switch command on the view menu

(iii) View button

(iv) Select query title bar

(c) A memory location that changes during project execution is known as a

(i) Dimension

(ii) Constant

(iii) Static

(iv) Variable

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

    (i)   !A!1

    (ii) A1

    (iii)   #a#1

    (iv)   A1

(e)   Which one of the following is a loop in VB ?

    (i)   FOR

    (ii)   DO

    (iii)   WHILE

    (iv)   All the above

(f)   How many times will the following loop execute ?

```
DIM BOOKS
BOOKS=2
DO WHILE(BOOKS)
BOOKS=7;
LOOP
```

    (i)   0

    (ii)   5

    (iii)   Infinity

    (iv)   None of the above

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

    (i)   Personnel

    (ii)   Payroll

    (iii)   Treasurer

    (iv)   Timekeeping

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

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

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

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

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

4. Answer the following :

(a) Write the output of the following code :   *2*

```
Private sub command1_onclick
num= 0
for i=1 to 25 step 5
num = num+i*2
i = i+1
next
print num&"    "&i
end sub
```

(b) Rewrite the above code using do while ... loop.   *2*

(c) Write the use of form layout window.   *2*

(d) Write a program in Visual Basic to accept 10 numbers from the user and to print the sum of all numbers.   *2*

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

(f) What is Inventory Control ?   *2*

(g)

	A	B	C	D	E	F
	Microsoft Excel - Book1					
	File Edit View Insert Format Tools Data Window Help					
	GB	fx				
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 Maths. *1*

(ii) Write the formula to calculate the maximum marks of John. *1*

(iii) Write the formula to be written in E5 for calculating the 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*

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

ITEM_ID	CUS_NAME	L_NAME	ADDRESS	CITY
102	John	Tones	33, Elm St	Paris
105	Smith	Ackerman	440 US110	New York
144	Lara	Sengupta	24, Friends Street	New Delhi
210	George	Smith	83, First Street	Howard

Suggest the data types that should be used for each of the fields in the table. *2*

(i) Consider the table as shown :   *1*

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

What type of relationship exists between the two tables ?

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

(k) Name any two application areas of databases.   *2*

(l) What is payroll ?   *2*

(m) What field type is used to store picture in a table ?   *1*