This Question Paper consists of **8** questions and **7** printed pages.

Roll No. | | | | | | | | | | | | |

Code No. **64/VOC/O**

Set - A

CERTIFICATE IN COMPUTER APPLICATION (COMPUTER APPLICATIONS) (712)

Day and Date of Examination _____

Signature of Invigilators 1. _____

2. _____

General Instructions :

1. Candidate must write his/her Roll Number on the first page of the Question Paper.

2. Please check the Question Paper to verify that the total pages and total number of questions contained in the question paper are the same as those printed on the top of the first page. Also check to see that the questions are in sequential order.

3. For the objective type of questions, you have to choose any one of the four alternatives given in the question, i.e., (A), (B), (C) or (D) and indicate your correct answer in the answer-book given to you.

4. Making any identification mark in the answer-book or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.

5. Answers for all questions, including matching, true or false, fill in the blanks, etc., are to be given in the answer-book only.

6. Write your Question Paper Code No. **64/VOC/O**, Set **A** on the answer-book.

CERTIFICATE IN COMPUTER APPLICATION

(COMPUTER APPLICATIONS)

(711)

Time allowed : ***2*** *Hours]* *[Maximum Marks :* ***40***

Note : ***All*** *questions are* ***compulsory*** *and carry marks as indicated against each question.*

1. Fill in the blanks : $\frac{1}{2} \times 15 = 7\frac{1}{2}$

(i) _____ library function of the C gives the square root of the given number.

(ii) In C _____ conversion character means type of data item is String.

(iii) In _____ data processing the loss of data is minimized.

(iv) _____ are nothing but a single name to a whole group of similar data.

(v) _____ means arranging the data in alphabetical order.

(vi) An _____ query changes data in a table.

(vii) _____ are the pre-designed styles which can be applied to fix the style of different parts of the report in a different way.

(viii) A _____ is the central node in the network.

(ix) The escape sequence \n in "C" is used for _____ .

(x) ? and * are the symbols used for finding and replacing data. These are called _____ .

(xi) EDP stands for _____ Data Processing.

(xii) A 2D array is a grid containing _____ and _____ .

(xiii) _____ in C refers to fixed values that do not change during the execution of a program.

(xiv) In a _____ Area Network all the data and programme files are stored in a file server.

(xv) _____ errors are often hard to find.

2. Write True (T) or False (F) for the following statements : $\frac{1}{2} \times 15 = 7\frac{1}{2}$

(i) Coding is not a step in System Development Life Cycle.

(ii) Decision Tables and Trees were developed long before the widespread use of computers.

(iii) Back end manages the resources such as Database efficiently and optimally among various clients.

(iv) The Continue statement is used to forcefully terminate the loops or to exit from a Switch.

(v) INSERT INTO is a DML Statement.

(vi) Database is a collection of Fields.

(vii) There are 4 types of Data Models generally used for Database Management.

(viii) Hyperlink is to store an object such as a photograph which is created in another application.

(ix) Filtration means arranging the data in alphabetical order.

(x) A cross tab query summarizes and groups data in both rows and columns.

(xi) A Form is a design for presenting data in an attractive and desired manner.

(xii) The condition stub contains a list of all the Yes/No permutations in a decision table.

(xiii) A Field name can be up to 64 characters long.

(xiv) One column in the table is equivalent to one field.

(xv) MS Excel is a member of Microsoft Visual Studio.

3. Answer the following questions : *1×3=3*

(a) Draw a flow chart for the algorithm that will prompt the user to read a numeric value.

(b) What are the 2 types of operators in SQL ?

(c) Define Decision table.

4. Answer the following questions : *2×3=6*

(i) Explain any 2 stages of System Development Life Cycle.

(ii) Write any two advantages of decentralized data processing system.

(iii) Draw a flow chart for the following algorithm :

(a) Prompt the user to read a numeric value of four digits.

(b) Store the value into year.

(c) If year is divisible by 4, print leap year otherwise print not a leap year.

5. Find the output of the following program : *3*

```
#include<stdio.h>
void main( )
{
int n = 622,rv=0;
while (n!=0)
{
r=n%10;
rv=(rv*10) + r;
n = n/10;
}
printf("%d", &rv);
}
```

6. What do the following declarations denote ? Explain each line separately : *3*

(i) int x,y,z;

(ii) char name[12];

(iii) float p=2.3;

7. Write a program in C language to input a three digit number from the user and calculate, print the sum of the digits of a given number. e.g. 567 = 5+6+7 = 18. *5*

OR

Write a program in C language to read a string from the user. Calculate and print the length of the string without using library function.

8. Answer the questions on the basis of following table. *5*

Product			
Prod Id	**Prod Name**	**Qty**	**Price**
C101	Cinthol	4	450.00
D102	Dove	5	50.00
C103	Cerelac	6	500.00
D104	Drum	7	600.00

(a) Write a Structure for the above table.

(b) Write a Query to Select the Prod Id, Prod Name of all the products whose Quantity is greater than 5.

(c) Write a Query to select the Prod ID and Prod Name of all the Products whose Prod Id starts with C.

OR

Following table shows status of books in a Library :

ACC No	**Course**	**Cost (in Rs.)**	**Copies**	**Publisher**
A001	ICT	455.00	4	BPB
A002	History	300.00	2	PHI
A003	ICT	500.00	5	BPB
A004	Science	400.00	8	McGraw
A005	Maths	600.00	6	Lotus

(a) Write SQL command to create the above table and name it Library.

(b) Write a query to display ACC No, Course and Publisher of all the books where Copies are more than 2 and Publisher is Lotus.