

Q.I Multiple Choice Questions:**5*1=5**

- In principle of duality:-
 - AND is replaced by OR
 - . is replaced by +
 - Both
 - None
- In string HARSH bits used are:
 - 5
 - 20
 - 40
 - None of these
- Internet is an example of :-
 - LAN
 - WAN
 - MAN
 - All of the above
- Which header file is used for scanf () and printf () :-
 - conio.h
 - stdio.h
 - math.h
 - Both (a) and (b)
- A user defined function can be called :-
 - One time
 - Two times
 - Three time
 - As many as times

Q.II Describe in brief the following :**5*1=5**

- abs()
- void()
- User-defined function
- getch ()
- more command

Q.III Explain the following:**5*2=10**

- Array
- Shell
- Truth table
- Band width
- Demodulation

Q.IV Answer all parts:**5*2=10**

- What is a String ?
- Write difference between a directory and a file.
- What is GUI ?
- What is Search Engine ?
- Why header file is needed in any program ?

Q.IV Answer all parts:**3*4=12**

- Write a note on optical fiber.
- What is word length? Explain with suitable example.
- What is Topology? Explain different topology.

Q.V Answer all parts:

3*4=12

1. How the numbers are added in binary number system?
2. Explain difference between cat and less commands using syntax.
3. What are the different operators used in C programming language.

Q.VI WAP to input 5 numbers and print its sum.

8

OR

1. What is bubble sorting ? Explain with the help of pass.
2. Explain vi editor in linux.

4

4

Q.VII WAP in C programming language to arrange the following numbers in ascending order.

{5,3,8,6,1,0}

8

OR

Write notes on the following

2*4=8

1. Searching
2. Library Function
