

2018

Full Marks -. 40

Time - 3 hours

The questions are of equal value

Answer *all* questions.

1. a) Define DOS. Explain the Linux command.
 - i) Clear
 - ii) Pwd
 - iii) ls
 - iv) man
 - v) Cp
- b) What is an algorithm ? Write an algorithm to check a given number is even or odd.

OR

- c) What is compiler ? How compilation of data takes place. Explain it.
- d) What is flow chart ? What are the symbols of flowchart. Draw a flow chart to generate the series.

1 2 4 8 16

[2]

2. a) What is data type ? Explain different data types in C.
b) Write a C program to find reverse of a number.

OR

- c) List the different operator in C.
d) Write a C program to compute gcd of two number. Hint gcd of 30 and 18 is 6.
3. a) Explain the different storage class in C.
b) Write a C program to create an array of 10 elements and find the maximum element from the array.

OR

- c) Define function. Differentiate between call by value and call by reference with suitable example.
d) Write a program to copy one string to another by using a user defined function.
4. a) What is pointer ? List the advantage of pointer. How pointer are declared and initialized.
b) Create a structure point and write function to compute distance between two point.

OR

- c) Write a C program to copy content of one file to another.
d) Write a C program to create an array using pointer.