

**1<sup>ST</sup> SEM./ COMMON / 2022(W)**

**Th-1(B) Computer Application**

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2  
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
  - a. What is Variable and Constant in C programming Language?
  - b. What do you understand by algorithm and flowchart?
  - c. Differentiate between LAN and WAN.
  - d. Name any two network protocol.
  - e. Give example of any four optical input device.
  - f. Write down difference between file & folder.
  - g. What do you mean by Array?
  - h. Define GFLOPS.
  - i. What do you mean by GUI?
  - j. What do you mean by Impact printer and give example.
2. Answer **Any Six** Questions 5 x 6
  - a. Explain about different types of mode of data transmission mode.
  - b. Give comparison between 1<sup>st</sup> and 2<sup>nd</sup> generation of computer.
  - c. Differentiate between Primary Memory and Secondary memory.
  - d. Write down various data processing methods.
  - e. Write a program in C to find factorial of a given number.
  - f. Compare between time sharing and multi programming operating system.
  - g. Explain about different generation of programming language.
3. Define file access method and explain about various types of file access methods. 10
4. Briefly explain memory hierarchy system. 10
5. What do you mean by topology? Explain various types of topology. 10
6. What is virus? Explain different types of virus. Write down detection and prevention of virus. 10
7. Define call by value and call by reference with sample C program. 10