**J - 1001**
**B.TECH. (Computer Science)**
**6TH Semester Examination 2023-24**
**COMPUTER NETWORK**

**Paper Code:** BTCS-61

**Max Marks** : 100
**Min Marks** : 30

**Attempt all (objectives type question) from Section 'A'. Attempt any 3 (Three) questions (Long answer type question) from section B. Each answer should be approx 100 words.**

## SECTION A

1: Ipv6 address has how many bits?
   a) 32                 b) 64
   c) 128                d) None of these

2: Which topology requires maximum wiring?
   a) Star                b) Mesh
   c) Bus                d) None of these

3: Ethernet Lan uses which topology?
   a) Star                b) Mesh
   c) Bus                d) Ring

4: The device which is used to control congestion ….
   a) Switch             b) Hub
   c) Repeater         d) None of these

5: Components that are operated at the network layer of the osi model is
   a) Router             b) Hub
   c) Switch             d) Repeater

## SECTION B

1. Describe OSI layer model in detail along with its diagram. How it is different from TCP/IP model?

2. What is ISDN? Explain by taking suitable example.

3. How congestion can be controlled in network layer? Explain point to point network.

4. Discuss and exemplify the concept of error handling.

5.    Explain network structure and its architecture.