

Roll No. ....

Total Pages : 3

**11776/NJ****D-3/2111**

**COMPUTER NETWORKS AND  
DATA COMMUNICATION**

Paper-357

Semester-V

Time Allowed : 3 Hours] [Maximum Marks : 30

**Note :** The candidates are required to attempt **two** questions each from Sections A and B carrying 4 marks each and the entire Section C consisting of 7 short answer type questions carrying 2 marks each.

**11776/NJ/473/W/710**

[P. T. O.

**SECTION—A**

1. What is a Computer Network? Discuss any two applications of the same. 4
2. What do you mean by Topology? Discuss any two topologies. 4
3. What is OSI Reference model? Discuss any two layers. 4
4. What is Cellular radio? Give any two applications of the same. 4

**SECTION—B**

5. Differentiate between Circuit switching and Packet switching. 4
6. What is the purpose of repeater and router in Computer Network ? 4

**11776/NJ/473/W/710 2**

7. What is Multimedia? Discuss any two applications. 4

8. Discuss IPv4 addressing and its various classes. 4

### **SECTION—C**

9. Write short notes on the following : 2×7=14

(i) Electromagnetic spectrum.

(ii) TCP/IP reference model.

(iii) Wireless Communication.

(iv) World Wide Web.

(v) FTP interface.

(vi) ALOHA protocol.

(vii) Interior and Exterior gateway routing protocol.