

**Grade 12 - Computer Science**

**Worksheet1 – Chapter14**

**Question 1:**Write two advantages of using an optical fibre cable over an ethernet cable to connect two service stations, which are 190 m away from each other.

**Question 2:**Differentiate between packet switching and message switching technique in network communication. Delhi 2011  
**Question 3:**What was the role of ARPANET in the computer network?   
**Question 4:**Which of the following is not an unit for data transfer rate?

1. MBPS
2. KBPS
3. SBPS
4. GBPS

**Question 5:**Name two switching techniques used to transfer data between two terminals (computers). Delhi; All India 2009  
**Question 6:**What is the difference between packet switching and circuit switching techniques?  
**Question 7:**Name two transmission media for networking.  
**Question 8:**State two reasons for which you may like to have a network of computers instead of having standalone computers.

**Question 9:**How bit rate is differ from baud rate?  
Baud rate = bit rate/N  
where, N is the number of bits represented by each signal shift.

**Question 10:**How is co-axial cable different from optical fibre?    