

**BCA-15**  
**December – Examination 2021**  
**BCA (Part III) Examination**  
**Fundamental of Computer Networks**  
**Paper : BCA-15**

*Time : 1½ Hours ]*

*[ Maximum Marks : 70*

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*Note* :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

**Section-A**

**4×3½=14**

**(Very Short Answer Type Questions)**

*Note* :- Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 3½ marks.

1. (i) What do you mean by Wireless LAN ?  
(ii) Explain the CSMA.  
(iii) Explain the Point-to-Point Protocol.  
(iv) Write short note on circuit switching.  
(v) Explain the protocols in Data link layer.  
(vi) Write short note on Unguided Media.  
(vii) Explain fiber optic.  
(viii) What is Attenuation ?
6. Explain ASK, FSK and PSK with neat diagram.
7. Explain the Shielded Twisted Pair (STP) and Unshielded Twisted Pair (UTP).
8. What is an error ? Explain the types of errors.
9. Explain the concept of Simple Mail Transfer Protocol (SMTP).

**Section–B** **4×14=56**

**(Short Answer Type Questions)**

*Note* :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 14 marks.

2. Explain the types of transmission modes.
3. What is network topology ? Explain the different network topologies.
4. Explain the various types of multiplexing.
5. Explain the concept of MODEM.