

BCA-15
December – Examination 2020
BCA (Part III) Examination
Fundamental of Computer Networks
Paper : BCA-15

Time : 2 Hours]

[Maximum Marks : 70

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

Section-A

7×2=14

(Very Short Answer Type Questions)

Note :- Answer all 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 2 marks.

1. (i) What do you mean by UDP ?
- (ii) Define transmission delay.

- (iii) Define frame in computer network.
- (iv) How is MAN different from WAN ?
- (v) What is the role of MAC ?
- (vi) Define Switch and Router.
- (vii) Write the functions of transport layer in ISO-OSI Reference Model.

Section-B **4×14=56**

(Short Answer Type Questions)

Note :- Answer any *four* questions. You have to delimit your each answer maximum up to **200** words. Each question carries 14 marks.

- 2. Explain purpose of network architecture.
- 3. Discuss channel, band and bandwidth in data communication terminology.
- 4. Differentiate between synchronous and asynchronous communications.
- 5. Explain attenuation and delay distortion.
- 6. Explain the characteristics of LAN.

- 7. Explain router, its function and gateway.
- 8. Discuss protocol hierarchies.
- 9. Explain different layers and its function of ISO-OSI Reference Model.