

BCA-15

June – Examination 2023

BCA (Part III) Examination

FUNDAMENTAL OF COMPUTER NETWORKS

Paper : BCA-15

Time : 3 Hours]

[Maximum Marks : 70

Note :- The question paper is divided into three Sections A, B and C. Write answers as per the 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) Define Computer Network.
- (ii) Give full form of HTTP.

- (iii) Define Topology.
- (iv) Define Client.
- (v) Define Protocol.
- (vi) Define Firewall.
- (vii) Give full form of WAN.

Section-B **4×7=28**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 7 marks.

2. Discuss the various Network Services.
3. Explain modes of data transfer.
4. Discuss the various advantages of Networks.
5. Differentiate between packet switching technique and Circuit switching technique.
6. Discuss the various use of Computer Network.
7. Differentiate between LAN, WAN and MAN.
8. Discuss Bus and Ring Topology.
9. Discuss Router and HUB.

Section-C **2×14=28**

(Long Answer Type Questions)

Note :- Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 14 marks.

10. Differentiate between OSI and TCP/IP Model.
11. Explain Optical Fibre, Coaxial cable.
12. Discuss in detail the various applications of Internet.
13. What is Network Security ? Explain methods used to make network secure.