

BCA-15

June - Examination 2017

BCA Pt. III Examination**Fundamental of Computer Networks****Paper - BCA-15****Time : 3 Hours]****[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**10 × 2 = 20**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) What is use of Topologies?
- (ii) What is Internet?
- (iii) What is peer?
- (iv) What is use of Switch?
- (v) Write any two components transmission media.
- (vi) What is Ethernet?
- (vii) What is the work of transport layer?
- (viii) What is full form of UDP?

- (ix) Write the full form of DSL.
- (x) What is coaxial transmission line?

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Discuss the functioning of session layer.
- 3) Discuss the various applications of computer networks.
- 4) Discuss differences in between OSI and TCP/IP Reference model.
- 5) Explain role of Network Security.
- 6) Discuss the bandwidth utilization.
- 7) Describe data communication techniques used in Computer Network.
- 8) Describe the various layers and their work in OSI reference model.
- 9) Explain TCP/IP Protocol Suite.

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your answer maximum upto 500 words. Each question carries 20 marks.

- 10) Explain various types of Routing and their protocols.
 - 11) Discuss type of networks-I categories.
 - 12) Explain various types of Internet Protocols.
 - 13) Explain various types of network devices and their work in any computer networks.
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