

BCA-15

December - Examination 2015

BCA IIIrd Year 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 x 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 up to 30 words. Each question carries 2 marks.

- 1) (i) List the advantages of computer network.
- (ii) Define digital signal.
- (iii) What do you mean by Channel?
- (iv) What is the full form of LED?
- (v) Which OSI layer is responsible for host to host delivery?
- (vi) What do you mean by port?
- (vii) What is the use of RIP protocol?

- (viii) What is Attenuation?
- (ix) Define reliability.
- (x) What do you mean by flooding?

Section - B

4 x 10 = 40

(Short Answer Questions)

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

- 2) Explain congestion control algorithm.
- 3) Describe the concept of digital signature.
- 4) Write short note on FDM.
- 5) What is distributed computing? Explain in detail.
- 6) Explain the concept of multitasking.
- 7) Differentiate between Client-Server model and Peer to Peer model for networking.
- 8) What is Token Ring?
- 9) Discuss various topologies in Computer Network.

Section - C

2 x 20 = 40

(Long Answer Questions)

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

- 10) Describe TCP/IP Model of Networking and its different layers? Compare it with ISO-OSI model.
 - 11) What is Computer Network? Describe how data is transmitted in Computer Network System.
 - 12) What do you mean by protocol? Compare TCP with UDP.
 - 13) Write short note on the following:
 - (i) Router
 - (ii) Switch
 - (iii) Bridge
 - (iv) Hub
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