

BCA-15

December - 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 Protocol?
- (ii) What is Simplex Communication?
- (iii) What is full form of TDM?
- (iv) What is routing?
- (v) What is Intranet?
- (vi) What is Extranet?
- (vii) Write any two benefits of Network Services?
- (viii) What is Router?
- (ix) What is Coaxial Cable?
- (x) Write about noise in data communication.

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 protocol layer concept.
- 3) Explain shortest path algorithm?
- 4) Discuss the functioning of presentation layer of OSI model.
- 5) Describe the functioning of Network Services.
- 6) Explain the use of Data Link Layer in Internet.
- 7) Describe functioning of Internet Layer TCP / IP model.
- 8) Describe the Protocol Architecture.
- 9) Explain Indian Networks for Data Communication.

Section - C**2 × 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 the Wireless LANs.
- 11) Explain the various Routing protocols.
- 12) Explain various Network Devices.
- 13) Explain the functioning of all network topologies.
