

BCA-15

June - Examination 2016

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 up to 30 words. Each question carries 2 marks.

- 1) (i) What is channel in communication?
- (ii) What is Baud Rate?
- (iii) What is cladding in optical fiber?
- (iv) Write three disadvantages of LAN.
- (v) Write full form of SNMP.
- (vi) What is the difference between Hub and Switch?
- (vii) What is Teleconferencing?
- (viii) What is intranet?

- (ix) What is repeater?
- (x) Define analog and Digital Signal.

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) What is the basic concept of WDM?
- 3) How do guided media differ from unguided media?
- 4) Differentiate between MAN and WAN.
- 5) Which Network Topology is best? And why?
- 6) What is the difference between SONET and SDH?
- 7) Why there are no sequence numbers in frame relay?
- 8) What is Telemetry? Explain its applications.
- 9) What is Denial of Service attack? Explain.

Section - C**2 × 20 = 40**

(Long Answer Questions)

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

- 10) Draw OSI reference model and explain function of different layers.
 - 11) Write short note on:
 - (i) Distance vector routing
 - (ii) Link state routing
 - (iii) Broad cast routing
 - 12) Explain IP Addressing and Subnetting with example.
 - 13) What is Firewall? Explain working of different type of firewalls.
-