

S.No. 2494

08UCA11

(For the candidates admitted from 2008 – 2009 onwards)

B.C.A. DEGREE EXAMINATION, APRIL/MAY 2018.

Fifth Semester

COMPUTER NETWORKS AND SECURITY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define network.
2. What are service primitives?
3. What is framing?
4. What is routing algorithm?
5. What are the five primitives of transport layer?
6. What do you mean by uniform resource locator (URL)?
7. What is denial of service?

8. What is authentication?
9. Define cryptanalyst.
10. What is a firewall?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write short notes on metropolitan area network(MAN).

Or

- (b) Explain the structure of telephone system.

12. (a) Explain the sliding window protocol.

Or

- (b) Explain the distance vector routing(DVR).

13. (a) Explain briefly about multiplexing.

Or

- (b) Write short notes on HTML.

14. (a) Write short notes on security attacks.

Or

- (b) How will you build a security plan? Explain.

15. (a) Write a note on data encryption methods.

Or

- (b) What are the various database security issues? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about guided transmission media.

17. Explain about the quality of service(QOS).

18. Describe about Hyper text transfer protocol (HTTP).

19. Explain the various infrastructure components.

20. Discuss about fundamental concepts of network security.