

C 5501

B.C.A. (Three Year) DEGREE EXAMINATION, OCTOBER/NOVEMBER 2017.

End-Semester Examination

Fifth Semester

(Regular/Supplementary)

NETWORK SECURITY

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Explain OSI security Architecture.
2. What is Diffie-Hellman key exchange?
3. Explain Digital signature standard.
4. Explain about web security.
5. What are viruses?
6. What are authentication protocols?
7. What is PGP?
8. What are threats?

PART — B

Answer ALL the following questions. **(5 × 10 = 50 Marks)**

9. (a) Explain about data encryption standard.

Or

- (b) Explain Block cipher design principles.

10. (a) Explain about public key cryptography.

Or

- (b) Explain about RSA.

Turn Over

11. (a) Explain about MD5 message digest algorithm.

Or

(b) Explain about hash functions and their security.

12. (a) Explain about authentication applications.

Or

(b) Explain e-mail and IP security.

13. (a) Explain about password management.

Or

(b) Explain virus counter measures.
