Total No. of Questions: 07

B.Sc.(IT) (2015 & Onward) (Sem.-5) INFORMATION SECURITY

Subject Code: BSIT-501 M.Code: 74375

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

Q1. Answer briefly:

- (a) What is security audit?
- (b) List various phases of security systems development life cycle.
- (c) What is use of S/MIME?
- (d) List various threats to web security.
- (e) Write the significance of RSA algorithm.
- (f) Define AES.
- (g) Differentiate identification and authorization.
- (h) What is role of SSL?
- (i) What is need of database security?
- (j) List various security laws.

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SECTION-B

- Q2 Define information security. Discuss various principles of information security.
- Q3 What are various malicious softwares? Explain.
- Q4 Write notes on the following:
 - (a) Components of information system
 - (b) Policy framework
- Q5 What is intrusion detection system? How it is different from intrusion prevention system? Explain with example.
- Q6 What is cryptography? Discuss the role and working of public key cryptosystems.
- Q7 Explain the following:
 - (a) Digital signature
 - (b) IPR

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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