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Total No. of Pages : 02

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 :

1. 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.



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.

