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BJ—05—2016

FACULTY OF COMPUTER STUDIES

B.Sc. (CS) (Third Year) (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER SCIENCE

Paper S5.1

(Cyber Security)

(Friday, 18-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— (i) All questions are compulsory.

(ii) Figure to the right indicate full marks.

(iii) Assume suitable data if necessary.

1. Attempt the following : 20

(i) Explain scope and object of IT Act.

(ii) Explain technology behind digital signature.

(iii) Explain new concepts in trademark jurisprudence.

(iv) Explain reverse hijacking.

2. (a) Explain digital signature and PKI. 8

(b) Explain public key encryption. 7

Or

(c) Explain asymmetric cryptography. 8

(d) Explain jurisdiction in trademark dispute. 7

3. (a) Explain establishment and composition of appellate tribunal. 8

(b) Explain powers of adjudicating officer to award compensation. 7

Or

(c) Explain tampering with computer source document. 8

(d) Explain RSA algorithm. 7

P.T.O.

4. (a) Explain offences related to digital signature certificate. 8
- (b) Explain digital signature and law. 7
- Or*
- (c) Explain offences related to breach of confidentiality and privacy. 8
- (d) Explain concept of hacking with computer system. 7
5. Write short notes on (any *three*) : 15
 - (i) Genesis
 - (ii) Symmetric cryptography
 - (iii) Concepts of domain names
 - (iv) Meta tags
 - (v) Cyber Squatting.