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**AA—57—2019**

**FACULTY OF SCIENCE**

**B.Sc. (Sixth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**(S6-5)**

**(Cyber Security)**

**(Tuesday, 19-11-2019)**

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

*Time—3 Hours*

*Maximum Marks—75*

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

*(ii) Figures to the right indicate full marks.*

1. Attempt any *five* of the following : 15

- (a) Explain the scope of IT Act.
- (b) Explain Digital Signature.
- (c) Explain Public Key Encryption.
- (d) Explain Spamming.
- (e) Explain Hacking with computer system.
- (f) Explain Meta tags.
- (g) Explain concept of domain name.

2. Attempt any *two* of the following : 10

- (a) Explain objective of IT Act.
- (b) Explain Genesis.
- (c) Explain IT Act, 2000.

P.T.O.

3. Attempt any *two* of the following : 10
- (a) Explain RSA algorithm.
  - (b) Explain Asymmetric cryptography.
  - (c) Explain Symmetric cryptography.
4. Attempt any *two* of the following : 10
- (a) What is Digital Signature ? Explain verification of digital signature.
  - (b) Explain Technology behind digital signature.
  - (c) Explain Digital Signature and law.
5. Attempt any *two* of the following : 10
- (a) Explain Cyber Squatting.
  - (b) Explain Jurisdiction in Trademark dispute.
  - (c) Explain Reverse hijacking.
6. Attempt any *two* of the following : 10
- (a) Explain Powers of adjudicating officer to impose penalty.
  - (b) Explain Establishment and Composition of appellate tribunal.
  - (c) Explain Powers of adjudicating officer to award compensation.
7. Attempt any *two* of the following : 10
- (a) Explain offences related to digital signature certificate.
  - (b) Explain Tampering with computer source documents.
  - (c) Explain Publishing of information which is obscene in electronic form.