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BJ—15—2016

FACULTY OF COMPUTER STUDIES

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER SCIENCE

Paper-S4.3

(Computer System Security)

(Tuesday, 22-11-2016)

Time : 2.00 p.m. to 5.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— (i) Attempt All questions.

(ii) Assume suitable data if necessary.

1. Attempt the following : 20
 - (a) Explain the term cryptanalysis.
 - (b) What is policy ? Explain elements of a policy.
 - (c) Explain elements of standard.
 - (d) What is password protection ? Explain.
 2.
 - (a) What is intrusion detection ? Explain statistical anomaly detection. 8
 - (b) Explain in detail password management policy. 7
- Or*
- (c) Explain 'Blowfish' Encryption Algorithm. 8
 - (d) Discuss the Regulatory considerations for polices. 7
3.
 - (a) Explain in detail security attacks. 8
 - (b) Explain the concept of stegaography. 7

P.T.O.

Or

- (c) Explain the types of viruses. 8
- (d) What is firewall ? Discuss the types of firewalls. 7
4. (a) Explain in detail Data Access Control. 8
- (b) Explain in detail advanced antivirus techniques. 7
- Or*
- (c) Explain in detail security services. 8
- (d) Explain the Architecture of distributed intrusion detection. 7
5. Write short notes on (any *three*) : 15
- (a) Program policy
- (b) Data Encryption
- (c) The vulnerability of passwords
- (d) Audit records
- (e) Desktop policy.