

Seat No. : _____

SD-118

October-2017

B.C.A., Sem.-VI

SEC-302(4) : Information Security

Time : 3 Hours]

[Max. Marks : 70

1. (a) Answer the following :
What is Information Security ? Write a note on Information Security Opportunities. **8**
OR
Write the types of computer crimes. How do criminals commit crimes ?
(b) Answer the following :
What is Intellectual Property Law & Trademarks ? **6**
OR
Write a note on Privacy and Law.
2. (a) Answer the following :
Explain "Site Selection" & "Keys and Combination Locks" in physical security. **8**
OR
Explain "Media Controls" & "Environmental Protection" in operations security.
(b) Answer the following :
Write a note on the Physical Security threats. **6**
OR
Write a note on Operations Security principles.
3. (a) Answer the following :
Write a note on the Principles of Authentication. **8**
OR
What is Cryptography ? Explain the role of keys in cryptosystems.
(b) Answer the following :
Write a note on Remote User Access & Authentication. **6**
OR
Write a note on Biometrics.

4. (a) Answer the following :
What is Packet Filtering ? Explain its benefits and limitations. 8

OR

Explain the OSI Reference Model.

- (b) Answer the following :
Explain Malware. 6

OR

Explain Internet, Intranet & Extranet.

5. Answer the following : 14

- (1) Weather and structural failures are types of physical security threats. (T/F)
- (2) Fingerprint recognition, iris scan & face recognition are types of biometric techniques. (T/F)
- (3) Physical Security deals with who has access to buildings, computer rooms and other devices. (T/F)
- (4) Cryptography is the study of cryptology and cryptoanalysis. (T/F)
- (5) In transposition, the letters of the message are replaced by other letters or symbols. (T/F)
- (6) Firewalls protect the internal network and external attacks on the site. (T/F)
- (7) Natural disasters include :
 - (a) Earthquakes
 - (b) Chemical fires
 - (c) Rat infections
 - (d) All the above
- (8) Biological security threats include :
 - (a) Virus
 - (b) Radiations
 - (c) Terrorism
 - (d) None of these
- (9) Investigating crimes related to computers is called _____ .
- (10) A _____ detects an intruder or an unauthorized user misusing the system resources.
- (11) The full form of VPN is _____.
- (12) A _____ card has a semi-conductor chip that detects unauthorized access to some building.
- (13) _____ refers to “Principles of Least Privilege”.
- (14) The full form of RADIUS is _____.
