

BFS GEC 4: CYBER SECURITY

Duration:2 Hours

Max. Marks:60

Instructions: 1. All questions are compulsory.

2. Figures to right question indicate maximum marks.

3. Start each question on a fresh page.

Q1) Define the following terms

(5X2 =10 Marks)

- a) Computer Network
- b) Forensic Investigation
- c) Denial of Service (DoS)
- d) Online Shopping
- e) E-Contract

Q2) Write short notes on any FIVE of the following concepts

(5X4 = 20 Marks)

- a) Cyber Stalking
- b) Browser Hijacking
- c) Web Cookies
- d) Personal Area Network (PAN)
- e) Cyber Warfare
- f) Secure Socket Layer (SSL) Certificate

Q3) Answer the following

- a) What is an Operating System? **(2 Marks)**
- b) Explain the uses of Computers in any 3 fields **(3 Marks)**
- c) What is the objective of Information Technology Act 2000? **(5 Marks)**

Q4.A) Answer the following

(2X5 = 10 Marks)

- 1) Differentiate between Virus, Worms and Trojans.
- 2) Explain any 5 features of the Internet

OR

Q4.X) Answer the following

(2X5 = 10 Marks)

- 1) Elaborate on any 5 Online Scams and Frauds.
- 2) What is E-Cash? Explain its working.

Q5.A) Answer the following

(2X5 = 10 Marks)

- 1) Explain the Section 66E: Punishment for violation of Privacy (under the ITAA 2008)
- 2) Elaborate on any 5 types of Social Engineering attacks.

OR

Q5.X) Answer the following

(2X5 = 10 Marks)

- 1) Discuss how to spot a fake profile over the Internet.
- 2) Give detailed explanation on the steps involved in generating Digital Signature.