

C-6018
B. C.A. (First Year) Examination, 2018
CYBER SECURITY
Paper : BCA-15
(Gr.-III)

Time Allowed : Three hours

Maximum Marks : 40

Note : Solve question according to given instruction.

Section-'A'

(Objective Type questions)

5×1=5

Note : Attempt all questions. Each question carries 1 mark.

1. Choose the correct answer :

(i) Which phase of hacking performs actual attack on a network or system?

- | | |
|--------------------|------------------------|
| (a) Reconnaissance | (b) Maintaining Access |
| (c) Scanning | (d) Gaining Access |

(ii) In Encryption :

- (a) Public Key is used
(b) Private Key is used
(c) Both Public and Private Key is used
(d) None of these

(iii) WAN full name is :

- | | |
|-----------------------|-------------------|
| (a) Wide Area Network | (b) Wide Network |
| (c) World Network | (d) None of these |

(iv) Full name of IP is:

- | | |
|-------------------------|----------------------|
| (a) Information Program | (b) Internet Process |
| (c) Internet Protocol | (d) None of these |

(V) Which of the following is not one of the three general components of the UNIX operating system?

- | | |
|----------------|---------------------|
| (a) The Kernel | (b) The Shell |
| (c) The GUI | (d) The File System |

Section-B

(Short Answer Type Questions)

5×2=10

Note : Attempt all questions. One question from each unit is compulsory. Each question carries 2 marks.

Unit-1

2. Write history of Internet.

Or

What is Packet Formats?

Unit-II

3. What is Threats?

Or

Explain Password Protection.

Unit-III

4. Explain Memory Protection.

Or

Discuss about Security Kernel.

Unit-IV

5. What is Fire Walls?

Or

What is Intrusion Detection?

Unit-V

6. Write general security principle.

Or

Explain statistical data base security.

Section-'C'

(Long Answer Type Questions) 5×5=25

Note : Attempt all questions. One question from each unit is compulsory. Each question carries 5 marks.

Unit-1

7. Explain TCP/IP Model.

Or

Explain features of Wireless Network

Unit-II

8. Explain following:

(i) Integrity

(ii) Confidentiality

Or

Discuss Access Control Structure.

Unit-III

9. Explain importance of digital signature.

Or

Explain Lattice diagram.

Unit-IV

10. Explain Chinese Wall Model.

Or

Discuss about protocol design principle.

Unit-V

11. Explain architecture of UNIX operating system.

Or

Explain following:

(i) Access Decision

(ii) Administration and Management issues