

Roll No. :

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

SEMC-242

M.Sc. (IInd Semester) Examination, 2022

COMPUTER SCIENCE (Lateral Entry)

Paper - FS-COMP-MCSLE-CC-204 (B)

(Introduction to Cyber Security)

Time : 1½ Hours]

[Maximum Marks : 40

Note :- The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries
1 mark.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer any *five* questions by selecting at least *one* question from each Unit
(Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions by selecting *one* from each Unit (Answer limit
500 words). Each question carries **5** marks.

BI-307

(1)

SEMC-242 P.T.O.

Section–A

1. (i) What do you mean by Bootloader ?
- (ii) Mention any *three* DOS Commands.
- (iii) Define VAPT.
- (iv) Define Lists in Python.
- (v) Write the structural code for any loop function in Python.
- (vi) What are the modules used in Python ?
- (vii) Define e-Contracts.
- (viii) What is the highest penalty mentioned in IT Act, 2000 ?
- (ix) Cyber Terrorism is mentioned under which section of IT Act, 2000.
- (x) Name any *two* International Organizations instrumental in investigating cybercrimes.

Section–B

Unit–I

2. What do you mean by Computer Ethics ? Describe.
3. Define Cybercrime. Mention any *two* types of Cybercrime.
4. What do you mean by Compliances ? How is it useful in cyber security ?

Unit–II

5. Explain the basic data types available in Python with examples.
6. Explain the use of Join() and Split() string methods with examples.
7. Discuss the relation between Tuples and Lists.

Unit-III

8. Define Data Security and its importance.
9. Mention about penalty related with Phishing and Stalking.
10. Under which section of IT Act, 2000 provision of creation of Cert-In and NCIIPC ? Explain the utility of both organizations as well.

Section-C

Unit-I

11. What do you mean by Deep Web ? Explain for what purposes it had been created and how one can access the deep web ?
12. How internet has evolved the rations into a borderless world ? As well mention what are the new threats which have emerged after introduction of internet across the world.

Unit-II

13. What are the classes and objects usage in Python ? Explain with suitable example.
14. Write a Python Code to sort a sequence of names according to their alphabetical order without using sort() function ?