

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SEMC-216

M.Sc. (IInd Semester) Examination, 2022

COMPUTER SCIENCE

Paper - FS-COMP-MS-C-CC-204

(Ethical Hacking)

Time : 1½ Hours]

[Maximum Marks : 40

Note :- The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all the *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* question from each Unit (Answer limit 500 words). Each question carries 5 marks.

Section-A

1. (i) Define reconnaissance phase.

(ii) Mention any *two* phases of hacking other than reconnaissance.

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- (iii) What is the use of sbin ?
- (iv) What is the use of touch command ?
- (v) Define Man in the middle attack.
- (vi) What is the use of wireshark ?
- (vii) Define social engineering attack.
- (viii) Define DOS attack.
- (ix) What do you mean by session hijacking ?
- (x) What is the use of SQL MAP ?

Section-B

Unit-I

- 2. Define the use of Kali Linux in hacking.
- 3. Explain any *two* phases of hacking.
- 4. Explain Trojans with a suitable example.

Unit-II

- 5. What do you mean by privilege escalation ?
- 6. Elaborate the use of metasploit tool usage in hacking.
- 7. How do the wireshark capture the packets ?

Unit-III

- 8. Explain the mechanism behind any DDOS attack.
- 9. Define the various types of session hijacking.
- 10. What is the utility of database hacking ? Explain.

Section-C

Unit-I

11. Elaborate different phases of hacking with suitable softwares usage in each phase.
12. Differentiate the internal mechanism of virus and worms along with suitable example.

Unit-II

13. Explain the different steps following while handling metasploit for enumeration.
14. What are the different social engineering attacks ?

Unit-III

15. How web servers are attacked ? Elaborate the attacks.
16. Elaborate different types of password attacks.