0101N1428   Candidate's Seat No :_____

M.Sc. Sem.-1 Examination
403
Cyber Security & Forensics
January-2024

Time : 2-30 Hours]   [Max. Marks : 70

Ques.1 Answer the following questions:

i.   Explain in detail google Dorking. Also give some examples.   7Marks
ii. Describe DNS (domain name server). Give some examples related to real life   7Marks
     scenarios.

OR

i.   What is session hijacking? Write its advantages and disadvantages.   7Marks
ii. What are origin policies? Where it is used.   7Marks

Ques.2 Answer the following questions:

i.   Describe the use of wayback machine.   7Marks
ii. What is burp-suite? Write its advantages and disadvantages.   7Marks

OR

i.   Describe how web application security is different from mobile application security. 7Marks
ii. What is SQL injection? Write some steps to perform sql injection.   7Marks

Ques.3 Answer the following questions:

i.   What is single factor authentication? How it is different from other type of   7Marks
     authentication.
ii. Explain the working of brute force attack. Also write its advantages and   7Marks
     disadvantages.

OR

i.   Describe cross side scripting attack. Give some examples.   7Marks
ii. What is phishing attack? Write any case study of phishing attack.   7Marks

Ques.4 Answer the following questions:

i.   What is packet sniffing? How it is different from packet spoofing.   7Marks
ii. Explain the process of performing pen-testing. Also write its advantages and   7Marks
     disadvantages.

OR

i.   What is sandboxing? Where it is used. Also write its advantages and disadvantages. 7Marks
ii. Differentiate between dos attack and ddos attack.   7Marks

Ques.5 Attempt any seven out of twelve.   14Marks

1.   What are arbitrary files?
2.   Define click jacking. Give some examples.
3.   Give some differences between external css and internal css in HTML.
4.   Define authentication. Give some examples.
5.   What are cookies?
6.   Define double query injection. And give some examples.
7.   Name any four search engines. Also write its advantages.
8.   What is proxy? Give any two examples.
9.   Define finger printing. Where it is used.
10. Write full forms of following:
     HTTPS, XSS, HTML, CSS.
11. What is web socket? Where it is used.
12. What are header and footer? Give some examples.

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