

Question Paper

Exam Date & Time: 01-Dec-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal School of Information Sciences (MSIS), Manipal
First Semester Master of Engineering - ME (Cyber Security) Degree Examination - November / December 2023

Ethical Hacking - I [CYS 5102]

Marks: 100

Duration: 180 mins.

Friday, December 1, 2023

Answer all the questions.

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| 1) | Briefly explain circuit switching and packet switching data communication approaches with an example. Explain network address translation. (CO1, L3) | (10) |
| 2) | Explain the purpose of ethical hacking. Discuss about different types of hackers (CO2, L3) | (10) |
| 3) | Explain a social engineering technique for information gathering. Write the advantages and disadvantages of ethical hacking. (CO2, L3) | (10) |
| 4) | Discuss the ethical hacking process with a block diagram. (CO2, L3) | (10) |
| 5) | Explain DNS enumeration and sniffing techniques. (CO2, L3) | (10) |
| 6) | Explain the causes and different types of vulnerabilities. (CO3, L3) | (10) |
| 7) | Briefly discuss vulnerability assessment and Risk Assessment. (CO3, L3) | (10) |
| 8) | Illustrate password-cracking techniques. (CO3, L2) | (10) |
| 9) | Explain the importance of IDS, IPS, and honeypot in ethical hacking. (CO3, L3) | (10) |
| 10) | Discuss the incident response life cycle.(CO4, L2) | (10) |

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