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GIET UNIVERSITY, GUNUPUR - 765022

Ph.D. (First Semester) Examinations, January - 2024

23SPPECS1014 - Network security

(CSE)

Time: 3 hrs

Maximum: 70 Marks

The figures in the right hand margin indicate marks.

Answer ANY FIVE Questions

(14 x 5 = 70 Marks)

	Marks
1.a. What do you mean by Network Security? What are its goal?	7
b. Differentiate between attack and threat ? Discuss different types of threat.	7
2.a. What are steps of DES algorithm?	7
b. Discuss about Triple DES methods.	7
3.a. What do you mean by Hash function? Elaborate different types of Hash functions used for security purpose.	7
b. Explain SHA-512 is used for information security with example	7
4.a. Explain advantage of AES over DES algorithms.	7
b. What is RSA algorithm? Describe encryption of it with a suitable example.	7
5.a. What is difference between firewall and IDS?	7
b. Discuss different types of IDS used for security purpose.	7
6.a. Explain in detail about the security services like PGP for E-mail.	7
b. Write short notes on Kerberos.	7
7.a. What is digital signature? How is it used for security purpose.	7
b. Discuss CIA model for security purpose.	7
8.a. Explain SSL Encryption technique.	7
b. How encryption is different from hashing? Explain with an example.	7

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