Code No: 863AE

R19

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, March/April - 2022
INFORMATION SECURITY

Time: 3 Hours   Max.Marks:75

Answer any five questions
All questions carry equal marks
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1.   What are Security Attacks? Explain different types of Security Services in detail. [15]

2.   Write a detailed note on DES and Strength of DES.   [15]

3.   Explain in detail the implementation of Diffie-Hellman Key Exchange algorithm. [15]

4.a)   Write a detailed note on Key Management.
  b)   Explain in detail about SHA-512.   [6+9]

5.a)   Explain briefly about Digital Signatures.
  b)   Write a detailed note on Kerberos.   [6+9]

6.   Write a detailed note on Pretty Good Privacy (PGP).   [15]

7.a)   Explain in detail about Secure Electronic Transaction (SET).
  b)   Write a brief note on Combining Security Associations and Key Management.   [9+6]

8.   What are Intruders? Explain in detail about Intrusion Detection Systems.   [15]

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