Code No: 138DT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, December - 2020
NETWORK SECURITY AND CRYPTOGRAPHY
(Electronics and Communication Engineering)

Time: 2 Hours   Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) What is the difference between passive and active threats?
 b) Explain about various principle for design of Block Cipher.   [6+9]

2. Explain about OSI Security Architecture.   [15]

3. Explain triple DES Algorithm with an example.   [15]

4. Explain about Blowfish Algorithm with illustration.   [15]

5. Explain how key exchange is done using Diffie-Helman key exchange.   [15]

6. Explain fermats and Euler's Theorem in brief.   [15]

7. Discuss different approaches to message authentication.   [15]

8. Discuss about intrusion detection and approaches of intrusion detection.   [15]

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