Code No: 138DT **R16**

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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