R16

Code No: 136FT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, November/December - 2020
PRINCIPLES OF COMPUTER COMMUNICATIONS AND NETWORKS
(Common to CE, EEE, ME, MSNT)

Time: 2 hours **Max. Marks: 75**

Answer any five questions
All questions carry equal marks
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1.	Explain about the topologies of networks in detail.	[15]
2.a)	List the network standardization process.	
b)	Explain the addressing methods in networks.	[7+8]
3.a)	Differentiate synchronous and asynchronous communication.	
b)	List and explain the switching techniques.	[8+7]
4.	Explain about the OSI reference Model.	[15]
5.a)	How Fourier analysis is helps to predict the signal strength?	
b)	Classify the baseband signal and carrier signal.	[7+8]
6.	Explain the analog signal to digital signal conversion methods.	[15]
7.a)	Illustrate the Infrared transmission techniques.	
b)	Explain with example about cyclic redundancy check method.	[7+8]
8.	List the types of switches and explain in detail.	[15]

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