R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, April - 2018
INTERNETWORKING
(Electronics and Communication Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Compare OSI and TCP/IP protocol suite.
 b) What are the address levels used in TCP/IP ? Explain each level in detail? [7+8]

2. Explain the following:
 a) Supernetting
 b) IPV4 address structure and various classes of IPV4 address. [7+8]

3.a) Write the feature of TCP and Compare with UDP.
 b) Describe user datagram with a neat diagram. [7+8]

4.a) Explain, How congestion is detected in TCP/IP?
 b) Write about send and receive windows in TCP used in data transfer. [8+7]

5.a) With a neat diagram, explain how connection is established in stream control transmission protocol.
 b) Explain various chunks of stream control transmission protocol message format. [7+8]

6.a) What are the different message formats used in border gateway protocol? Explain briefly each format?
 b) Describe routing information protocol. [7+8]

7.a) What is DNS? Explain the purpose of DNS in internet,?
 b) Give a detail description on communication techniques and connections of File transport protocol. [7+8]

8.a) Explain temporal compression technique for video.
 b) Write a note different approaches for streaming of stored video/audio. [7+8]

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