

R20

Code No:872AC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA II Semester Examinations, May - 2022

COMPUTER NETWORKS

Time: 3 Hours

Max.Marks:75

Answer any five questions
All questions carry equal marks

1. Explain the TCP/IP reference model. [15]
- 2.a) Explain about the coaxial cable and fibre optics transmission media.
b) What is ARPANET? Explain in detail. [8+7]
3. Explain the stop-and-wait protocol. Illustrate with an example. [15]
- 4.a) Explain about CSMA protocols.
b) What are the design issues of data link layer? [10+5]
5. Explain the distance vector routing algorithm. [15]
6. Discuss briefly about:
a) Flooding
b) Multicast
c) Hierarchical routing. [5+5+5]
- 7.a) Draw and explain fields of TCP header.
b) Compare TCP with UDP. [10+5]
- 8.a) Explain the HTTP protocol.
b) What is SNMP? Discuss briefly. [9+6]

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