

R17

Code No: 843AB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA III Semester Examinations, February - 2021

COMPUTER NETWORKS

Time: 2 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

1. Elaborate the layered architecture of OSI reference model? State the significance and functionality of each layer? [15]
2. Write about classes of transmission media and explain their characteristics. [15]
3. Describe in detail about wireless LANS. [15]
4. Elaborate on MAC and LLC sub layers. [15]
5. Explain Distance vector routing with the help of an illustrative example. [15]
6. Explain TCP connection establishment and termination procedures with the help of diagrams. [15]
7. "UDP is less reliable than TCP"-Justify the statement with respect to process communication. [15]
8. Describe the HTTP request and response mechanisms. [15]

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