

MCTA-202

M.E./M.Tech., II Semester Examination, June 2020

Advance Computer Network

Time : Three Hours

Maximum Marks : 70

- Note :** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Discuss about client server model.
b) Discuss about Ethernet 802 Encapsulation.
2. Discuss the process of HTTP transmission. List various messages associated with it.
3. Explain the significance of Switching? What are different switching techniques used in computer networks? Discuss.
4. a) Discuss in detail the architecture of the OSI reference model.
b) What are Routing principles?
5. Write short notes on any two of the following:
 - a) Socket programming
 - b) Internet and web protocol
 - c) Connection establishment and termination
6. a) Explain TCP services in detail.
b) Explain the DNS in terms of name space, resource record and name server.
7. What is internet working? Discuss the various global addressing schemes and the issues in forwarding the IP?
8. Write short notes on any two of the following:
 - a) SLIP and PPP
 - b) Proxy ARP
 - c) IPv6
