



**DR. M.P.S. MEMORIAL COLLEGE OF BUSINESS  
STUDIES, AGRA**

**BCA DEPARTMENT  
SUBJECT: COMPUTER NETWORK  
CLASS: BCA 3<sup>rd</sup> semester**

**IMPORTANT QUESTIONS OF EVEN SEM EXAMS JUN 2022**

Q 1. What is network topology? Discuss various topologies in Computer network. Also discuss advantages and disadvantages of each topology.

Q 2. What are the applications of Computer Network?

Q 3. What is TCP/IP model? Explain the functions, services and protocols of each layer. Compare it with OSI model.

Q 4. Explain the OSI reference model with neat diagram

Q 5. What is Shannon capacity for Noisy Channel ?

Q 6. Explain the various types of multiplexing.

Q 7. Explain the Shielded twisted pair (STP) and Unshielded twisted pair(UTP)

Q 8. What is Congestion? How congestion occurs? Explain in detail the congestion Control Policies?

Q 9. What do you understand by Protocols? Explain the purpose of following Protocols:-

DHCP, SMTP, SNMP, HTTP, DNS, NNTP, ICMP, POP3

Q. 10. What is Multiplexing and De-Multiplexing? Explain in detail FDM, TDM and WDM.

Q. 11. Write short notes on the following:

IEEE 802.5

Coaxial Cable

Simplex,

Half-Duplex

Full-Duplex.

LAN,

WAN

MAN.

Q 12. How would you illustrate the differences between parallel and serial transmission?

Q 13. Describe the three types of transmission impairment.

Q 14. What is the difference between TCP and UDP.

Q 15. What are the data transmission modes in network?