



QP CODE: 23709218



23709218

Reg No :

Name :

M.C.A DEGREE EXAMINATION, AUGUST 2023

Second Semester

MASTER OF COMPUTER APPLICATION

CORE - MCACT203 - COMPUTER NETWORKING WITH TCP/IP

2020 Admission Onwards

D88DE9B9

Time: 3 Hours

Maximum: 75 Marks

Part A

*Answer any **ten** questions*

*Each question carries **3** marks*

1. Which are the different types of addresses in TCP/IP Protocol Suite?
2. What is Selective Repeat ARQ?
3. What is hidden terminal and Exposed terminal problem?
4. Explain ATM Protocol Architecture.
5. What is a mask in IPV4 addressing
6. Summarize about proxy ARP
7. Demonstrate the general format of ICMP messages .
8. What is process to process communication?
9. Explain half close connection termination.
10. List the timers used by TCP.
11. Explain HTTP
12. What is SMTP

(10×3=30 marks)





Part B

Answer **all** questions

Each question carries **9** marks

13. a) 13a) Explain Physical Layer functionalities in OSI model?

OR

b) 13b) Explain about User support layers in OSI?

14. a) 14a) Explain in detail about BSS and ESS in IEEE 802.11?

OR

b) 14b) Explain about Various LAN Connecting devices.

15. a) 15a) Discuss about Inter Domain and Intra Domain Routing with example?.

OR

b) 15b) Describe about packet format of IPV6.

16. a) 16a) Explain about Silly Window Syndrome in TCP?

OR

b) 16b) Explain TCP Segment Header Format with Diagram?

17. a) 17a) Discuss about WWW and its architecture

OR

b) 17b) Discuss about 1) DNS Messages and 2) Types of records

(5×9=45 marks)

