B. C. A. DEGREE END SEMESTER EXAMINATION - OCTOBER 2018

SEMESTER 3 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY

COURSE : **16U3CRBCA10 ; COMPUTER NETWORKS**

(For Regular - 2017 Admission and Supplementary/Improvement - 2016 Admission)

Time: Three Hours   Max. Marks: 75

Sec_on A
Answer any 10 (1 m arks each)

1. Define data communica_on.
2. What is Crossover Cables?
3. What are the message types of ARP protocol?
4. Explain the func_on of Flag in PPP Frame format.
5. Write any two Class B network address.
6. Write any two Class C network address.
7. What are leased lines?
8. What are the major elements of VSAT?
9. What is the significance of the command ipconfig/all?
            10. What is the significance of the command ipconfig/release?

Sec_on B
Answer any 8 (2 ma rks each)

11. Differen_ate between workgroup and domain.
12. Differen_ate between coaxial cables and twisted pair cables.
13. Describe the func_ons of Hub?
14. Differen_ate between switch and bridge.
15. Explain rou_ng in network layer
16. What are IPV4 LOOPBACK?
17. What are the components required to make a remote access dial up connec_on?
18. What is Last Mile Technology?
19. What is the usage and defini_on of parameters for nbstat command.
            20. Describe about Domain Controller.

Sec_on C
Answer any 5 (5 ma rks each)

21. Explain transmission control protocol.
22. Describe the frame format of IEEE 802.3
23. Explain the types of IPV6 addresses based on based on connec_vity.
24. Describe the types of switching techniques.
25. Describe the technologies that make up the dial up connec_on?

Sec_on D
Answer any 2 (12 m arks each)

28. Define ISO/OSI model with func_ons of each layer. Compare it with TCP/IP model
29. Describe the func_ons of the network devices in detail .
30. Briefly describe about FTP, Telnet, POP3, IMAP and NTP?
31. Describe in detail about Mac Opera_ng system.

26. Describe about message switching with example.

27. Describe the troubleshoo_ng command nslookup.