E 3292 (Pages : 2) Reg. No.....

Name.....

B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016

Fifth Semester

Core Course—COMPUTER NETWORKS

(2013 Admission onwards)

Time : Three Hours Maximum : 80 Marks

Part A

Answer **all** *questions.*
Each question carries 1 *mark.*

1. Define Networks.
2. Expand CSMA.
3. What is noise ?
4. What is Framing ?
5. What do you mean by frequency reuse principle ?
6. What is DNS ?
7. Define periodic signals.
8. What is logic addressing ?
9. What are different user agents in e-mail transfer ?
10. Define Hamming distance.

(10 × 1 = 10)

Part B

Answer any **eight** *questions.*
Each question carries 2 *marks.*

11. What are characteristics of a periodic signal ?
12. What do you mean by piggy backing ?
13. Differentiate hard hand off and soft hand off.
14. What is switching ?
15. Draw frame format of TCP segment.
16. What do you mean by remote logging ?
17. What is pure ALOHA ?
18. What are different types of errors ?

Turn over

19. Define baud rate.
20. What is FTP ?
21. How quality of service is measured ?
22. What are the properties of MEO satellites ?

(8 × 2 = 16)

Part C

Answer any **six** *questions.*
Each question carries 4 *marks.*

23. Differentiate LAN, WAN, MAN.
24. Explain TCP/IP protocol suite.
25. Describe various multiplexing techniques.
26. Explain various bluetooth layers.
27. Explain various CSMA protocols.
28. Describe UDP.
29. Explain stop and wait protocol.
30. Describe IPV6 addresses.
31. Explain Hamming code.

(6 × 4 = 24)

Part D

Answer any **two** *questions.*
Each question carries 15 *marks.*

32. Explain functions of various layers of ISO OSI reference model.
33. Explain various switching techniques.
34. Explain cyclic codes.
35. Explain various congestion control techniques.

(2 × 15 = 30)