E 5364 (Pages : 2) Reg. No.....

Name.....

B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2018

Fifth Semester

Core Course—COMPUTER NETWORKS

(2013 Admission onwards)

Time : Three Hours Maximum Marks : 80

Part A

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

1. Define the term hamming distance ?
2. Expand the term ISO OSI.
3. What do you mean by a computer networks ?
4. What is burst error ?
5. What is a packet ?
6. What do you mean by piconet ?
7. What is a hub ?
8. What do you mean by remote logging ?
9. Define the term bit rate.
10. Define the term roaming.

(10 × 1 = 10)

Part B

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

11. What are various types of networks ?
12. Define periodic analog signal ?
13. What is the use of parity bit ?
14. What is the purpose of multiplexing ?
15. Explain the use of Leo satellites ?
16. What do you mean by logical address of a network ?

Turn over

17. Write frame format of UDP protocol.
18. Explain the term attenuation.
19. Write functions of session layer.
20. What is flow control ?
21. Explain flow control methods in noiseless channels.
22. What do you meant by Bluetooth technology ?

(8 × 2 = 16)

Part C

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

23. Discuss various transmission impairments.
24. Explain remote logging in detail.
25. Explain briefly CRC algorithm.
26. Explain TCP protocol in detail ?
27. Write short note on any *one* guided media ?
28. Explain various switching techniques.
29. Write short note on token bus standard.
30. Write a note on stop and wait ARQ.
31. Compare IPv4 and IPv6 addresses.

(6 × 4 = 24)

Part D

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

32. Explain functionality of various layers of ISO OSI reference model.
33. Explain various error detection and correction methods.
34. Explain briefly various ALOHA protocols.
35. Write short note on :
    (a) E-mail.
    (b) FTP.

(2 × 15 = 30)