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41324/C240

Reg. No.

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III Semester BCA 4 Degree Examination, Nov./Dec - 2019
DATA COMMUNICATION AND COMPUTER NETWORKS

(Regular)

Paper : BCA-4

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) All sections are compulsory.
- 2) Draw neat diagrams whenever necessary.

SECTION - A

1. Answer the following questions: (10×2=20)

- a) Define Framing.
- b) What is Routing?
- c) Define signal to noise ratio.
- d) What is Attenuation?
- e) Define Multiplexing.
- f) What are the advantages of WDM?
- g) Define Service Model.
- h) What is sliding window protocol?
- i) Define Aloha.
- j) What is FDMA?

SECTION - B

Answer any **Four** of the following: (4×5=20)

2. Discuss Telephone Network and circuit Switching.
3. Explain Frequency Domain and Time Domain characterization.
4. Discuss Hamming code with example.
5. Differentiate Go-Back-N ARQ and Selective Repeat protocol.
6. Discuss MAC Sublayer.

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SECTION - CAnswer any **Four** of the following:**(4×10=40)**

7. Explain OSI Reference Model.
8. Explain the types of Digital Modulation Techniques.
9. Write a note on Twisted pair and Co-axial cable.
10. Discuss
 - a) Hop by Hop protocol.
 - b) End to End protocol.
11. Discuss channelization - TDMA, CDMA

SECTION - A**(10×2=20)****SECTION - B****(4×5=20)**

P.T.O.