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(21218)
BCA- V Sem.

Roll No. ....

18023

B. C. A. Examination, Dec. 2018

Computer Networks

(BCA-503)

(New)

Time : Three Hours]   *[Maximum Marks : 75*

Note : Attempt questions from all Sections as per instructions.

Section-A

(Very Short Answer Questions)

Answer all the *five* questions. Each question carries 3 marks. Very short answer is required.   3×5=15

1. Explain how quality of service is provided through integrated services.

2. What is the difference between circuit switching and packet switching ?

3. Explain in detail about the steps involved in the routing process of a packet network.

4. What do you understand by Gateway ?

5. Explain ethenet protocol.

Section-B

(Short Answer Questions)

Answer any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required.   7½×2=15

6. Explain error detection and error correction code.

7. Explain any one of the following :
   (a) NCP
   (b) PPP layers.

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8. What is the difference between TCP and OSI model ?

Section-C

(Detailed Answer Questions)

Answer any *three* questions out of the following five questions. Each question carries 15 marks. Answer is required in detail.   15×3=45

9. Explain the connection management of transmission control protocol.

10. Explain the functions of session presentation and application layer.

11. Explain the design issues of network layer.

12. What is Congestion Control Algo ? Explain with example.

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13. Explain any one of the protocols used for flow control in noisy channel fibre distributed data interface operation.

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