BCA (Sem.–3)
COMPUTER NETWORKS
Subject Code : UGCA-1913
M.Code : 78179
Date of Examination : 08-07-21

Time : 2 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
 1.   Attempt any FIVE question(s), each question carries 12 marks.

1.   Why are switching techniques used in networking? Which type of switching technique happens in physical layer? Explain in detail.

2.   Differentiate between analog and digital data transmission. What are the advantages of digital transmission?

3.   What is the significance of layering in OSI reference model? What important tasks are assigned to each layer in OSI model? Discuss with the help of a diagram.

4.   Which are the services provided by data link layer? How error can be detected and corrected during data transmission?

5.   Compare and contrast the working of IEEE standard 802.4 and 802.5.

6.   What is Congestion? How congestion occurs? Explain in detail the congestion control policies.

7.   Illustrate the scenarios for establishing a connection using a Handshake method.

8.   What are the elements of transport layer? Discuss each in brief.