PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Second Semester)

Branch – **COMPUTER SCIENCE**

ADVANCED COMMUNICATION NETWORKS

Time : Three Hours   Maximum : 75 Marks

SECTION -A (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

1   a   Explain the role of Port Address.
                                    OR
    b   What is a Router? Discuss in detail.

2   a   Review the structure of multicasting protocols.
                                    OR
    b   Write a note on Teleconferencing.

3   a   Describe the role of IP Protocols.
                                    OR
    b   What are the types of ICMP messages?

4   a   Describe the functioning of ARP over ATM in detail.
                                    OR
    b   What is LIS? Discuss.

5   a   Discuss the functioning of Home Agent in detail.
                                    OR
    b   Give an account on TCP Services.

SECTION -B (45 Marks)
Answer any THREE questions
ALL questions carry EQUAL Marks   (3 x 15 = 45)

6   Elaborate the layers in ISO-OSI model.

7   Compare : (i) Direct and Indirect delivery (ii) Static and Dynamic routing.

8   Discuss IGMP management in detail.

9   Describe I/P and O/P modules in ARP.

10   Give an account on addressing in Mobile IP.

Z-Z-Z   END