PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Fourth Semester)

Branch - **COMPUTER TECHNOLOGY**

COMPUTER NETWORKS

lime : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks!
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (1 0 x 2 = 20)

1   What is Computer Network?
2   Define FT'P.
3   Which device is used in physical layer?
4   How is analog data transmitted?
5   List the functions of data link layer.
6   Define Carrier Sense Multiple Access Protocol.
7   Compare between Broadcast and Multicast Routing.
8   What is the use of firewall?
9   What is Virtual Terminal network? Give an example.
10   Define Abstract syntax notation,

SECTION - B (25 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a Distinguish connection oriented and Connectionless services.
                            OR
    b Write the various uses of Computer network.

12 a Give a brief note on terminal Handling.
                            OR
    b Briefly explain about the Fiber optics.

13 a Describe about the LAN and WAN.
                            OR
    b Write short notes on Framing.

14 a Explain about the Distance Vector Routing.
                            OR
    b Briefly explain the Session layer design issues.

15 a Which layer is responsible for encryption and decryption?
                            OR
    b Discuss about the Lossless and Lossy Compression techniques.

SECTION - C (30 Marksl
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16   Explain the different types of Network architecture.

17   What is Switching? Explain the various types of Switching.

18   Describe about the ALOHA in Multiple Access Protocols.

19   Explicate the Remote Procedure Call.

20   Discuss File Transfer Access and Management issues.

Z-Z-Z   END