

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2018
(Fourth Semester)

Branch - **COMPUTER TECHNOLOGY**

COMPUTER NETWORKS

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is meant by Remote Access?
- 2 Define peer-to-peer network architecture.
- 3 What is message switching in networking?
- 4 List out three types of transmission modes.
- 5 What is Flow control?
- 6 Define MAN.
- 7 . What are the two categories of QoS attributes?
- 8 What do you mean by Load shading?
- 9 Define Data Compression.
- 10 What are the responsibilities of application layer?

SECTION - B 125 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Give a note on Network Structure.
OR
b Explain about the Home applications in Computer network.
- 12 a How does digital transmission work?
OR
b Briefly explain Magnetic media and Twisted pair.
- 13 a Distinguish error detection and error connection.
OR
b Explain the Collision Free protocols.
- 14 a Discuss about the store-and-forward packet switching.
OR
b What is TCP connection Management?
- 15 a Describe about Presentation layer design issues.
OR
b What is a Virtual terminal for processing credit cards? Explain.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain the OSI model with diagram.
- 17 Discuss about the Integrated Services Digital Network.
- 18 Explicate A Simplex stop-and wait protocol.
- 19 Illustrate the shortest path routing in detail.