

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BBA DEGREE EXAMINATION DECEMBER 2017
(Fifth Semester)**

Branch - **BUSINESS ADMINISTRATION (INFORMATION SYSTEM)**

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 data communication?
- 2 Define topology.
- 3 What is unicasting?
- 4 Define throughput.
- 5 What is Protocol?
- 6 What is repeater?
- 7 What is transport entity?
- 8 What is RPC?
- 9 What is DSL?
- 10 Define VPN.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a List the components of data communication system.
OR
b Write short notes on ITU - T.
- 12 a Explain the use of computer networks in business applications.
OR
b Write short notes on wireless networks.
- 13 a Write short notes on TCP / IP protocol suite.
OR
b What is MODEM? Explain the transmission rate and speed of a modem.
- 14 a Write short notes on (i) FTP (ii) HTTP.
OR
b Explain the elements of transport protocol.
- 15 a What is PGP? Explain
OR
b Explain the SSL architecture with examples.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Explain the functions of OSI layers.
- 17 What is transmission media? Explain the different classes of transmission media.
- 18 Explain about DTE - DCE interface.
- 19 Explain (i) SMTP (ii) POP.
- 20 Explain about the different types of firewalls and its structure.