

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BBA DEGREE EXAMINATION DECEMBER 2019
(Fifth Semester)

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

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 Data Communication?
- 2 Define Topology.
- 3 Write about network architecture.
- 4 Comment on computer network.
- 5 What is meant by modems?
- 6 Outline about protocol.
- 7 Define DNS.
- 8 Write the usage of FTP.
- 9 List the common authentication protocols.
- 10 Write about proxy serves.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Discuss about design issues of the various layers.
OR
b List and explain the network components.
- 12 a Write short notes on network software.
OR
b Discuss about fiber optics.
- 13 a Differentiate between connection oriented versus connectionless services.
OR
b Write notes on TCP/IP protocol suites.
- 14 a Determine the internet transport protocol-UDP.
OR
b Evaluate the application layer protocol.
- 15 a Write short notes on firewalls.
OR
b Write short notes on broadband wireless.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Summarize the different categories of networks.
- 17 Illustrate the guided transmission media.
- 18 Define multiplexing. Explain the various types of multiplexing.
- 19 What is Email? Clarify the following protocols
i) SMTP ii) POP iii) IMAP
- 20 Write detail notes on web security with its merits and demerits.