

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 2017**  
(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 ( 1 0 x 2 = 20)

- 1 What is a broadcast network?
- 2 What is an internet?
- 3 Write a short note on Fourier analysis.
- 4 Define attenuation.
- 5 What is meant by virtual circuit?
- 6 What is piggybacking?
- 7 Define subnet.
- 8 Define foreign agent.
- 9 What is SNMP?
- 10 Define PGP.

**SECTION - B 125 Marks)**

Answer **ALL** Questions

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

- 11 a Write short note on critique of the OSI model.  
OR  
b What are the uses of computer networks.
- 12 a Describe about microwave transmission.  
OR  
b Write a detailed note on Aloha.
- 13 a Discuss about a simple stop and wait protocol.  
OR  
b Write short note on Error Control.
- 14 a Discuss various functions of transport layer.  
OR  
b Explain the TCP connection management.
- 15 a Explain in detail about cryptography.  
OR  
b Explain email privacy.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

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

- 16 What is a network? Explain the types of networks with examples.
- 17 Explain in detail about transmission media with example.
- 18 Write a brief note on error detection and error correction with example.
- 19 Discuss in detail about routing algorithms.
- 20 Explain the services provided by the presentation layer in detail

Z-Z-Z

END