

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

(10x2 = 20)

- 1 Define network.
- 2 Write any two uses of computer networks.
- 3 Define fiber optics.
- 4 Name the two of data communication .
- 5 Define MAN.
- 6 What do you mean by slotted aloha?
- 7 Define datagram.'
- 8 What is flooding?
- 9 List the components of Email.
- 10 Define user agent.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Compare OSI & TCP reference model.
OR
b Describe about protocol hierarchies.
- 12 a Write short note on ISDN system architecture.
OR
b What is moden? Explain.
- 13 a Write short notes on Framing.
OR
b Describe about distance vector routing.
- 14 a Discuss on transport service primitives.
OR
b Explain about Secret-key algorithms.
- 15 a Discuss about the public key algorithm.
OR
b Write short notes on the PGP.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Discuss in detail about OSI reference model.
- 17 Explain in detail about wireless transmission.
18. Discuss the design issues of the data-link layer.
- 19 What is congestion control? Discuss the various congestion control algorithms.
- 20 Explain the services provided by the applications layer in detail.