

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2017
(Sixth Semester)

1.4-EL UH&

Branch - ELECTRONICS

COMPUTER HARDWARE AND NETWORKING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2 = 20)

- 1 What is daughter board?
- 2 Draw the serial port connector with signal.
- 3 Expand EDO.
- 4' What is meant by cylinder?
- 5 How is the accuracy of a digitizer measures?
- 6 Write the main functions of the CRT controller.
- 7 Define ^Network.
- 8 What are the types of network?
- 9 What is internet?
- 10 Define NIC.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Write the parallel port and game port with neat diagram.
' OR
b Draw the block diagram of BIOS organization and explain it.
- 12 a Write short notes on dynamic RAM.
OR
b What are different type of floppy disk derive and its examples with capacity?.
- 13 a What are the different types of Scanner? Explain each type.
OR
b Draw the block diagram of VGA monitor and each block.
- 14 a Explain the needs for networks.
OR
b Describe the network operating systems.
- 15 a Write short notes on repeaters.
OR
b Explain the electronic mail.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 What are the bus standards used in PC? Explain it.
- 17 Draw the block diagram of hard disk controller and explain each block.
- 18 Explain the operation of inkjet printer with neat diagram.
- 19 List out the characteristics of networks.
- 20 Explain the network interface card.