PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(Sixth Semester)

Branch – ELECTRONICS

COMPUTER HARDWARE & NETWORKING

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 2 = 20)

1   Draw the functional block of PC system.
2   Expand SMPS.
3   Define CD-ROM.
4   What is meant by cylinder?
5   What are the types of mouse?
6   Write the main functions of display controller.
7   What is meant by protocol?
8   What are the protocol services?
9   What is meant by bridges?
10   Expand HTTP.

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11 a   Write the serial port and game port with neat diagram.
                          OR
    b   What are the bus standards used in PC? and explain.

12 a   Write short notes on static RAM.
                          OR
    b   What are the types of CD? and explain.

13 a   Explain the operation of DOT – matrix printer.
                          OR
    b   Draw the block diagram of CRT controller and explain each block.

14 a   Explain the characteristics of networks.
                          OR
    b   Write the different types of servers.

15 a   Write short notes on routers.
                          OR
    b   Explain the firewalls.

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16   Draw the block diagram of inside a PC and explain it.

17   Draw the hard disk drive and explain each component.

18   Explain the operation of laser printer with neat diagram.

19   Describe the basic components of networks.

20   Explain the network interface card.

Z-Z-Z   END