PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2022
(Fifth Semester)

Branch – ELECTRONICS

DISCIPLINE SPECIFIC ELECTIVE – I
COMPUTER HARDWARE AND NETWORKING

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10 x 1 = 10)

1. Components are placed in mother board using ---------------.
   (i) BUS   (ii) BIOS   (iii)ROM   (iv) Copper tracks

2. Find the related to BIOS -------.
   (i) POST   (ii) Chipsets   (iii) Memory   (iv) Mother Board

3. State the memory classification ------.
   (i) 1   (ii)3   (iii) 2   (iv)4

4. Mention the classification of FDD---------.
   (i) Size only   (ii) Capacity only   (iii) Size and capacity   (iv) memory

5. Which printer is called matrix printer?
   (i) laser   (ii) dot- matrix   (iii) inkjet   (iv) thermal

6. Name the graphical images are get through by ---------.
   (i) Scanner   (ii) mouse   (iii) keyboard   (iv) trackball

7. Identify the protocol --------------.
   (i) FTP   (ii)HTML   (iii)JAVA   (iv) FTML

8. Which is used for data sharing between the computer and hardware?
   (i) Network   (ii) protocol   (iii) server   (iv) operating system

9. Find the protocol which support for transfer files from and to computer and internet
   _____.
   (i) FTP   (ii) server   (iii) www   (iv) user net

10. Identify which keep away the destructive forces from away from our property ------.
    (i) domain   (ii) cookies   (iii) Fire wall   (iv)url

SECTION - B (25 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 5 = 25)

11.a   Describe the Bus standards.
                    (or)
   b   Narrate the parts inside the I/O ports.

12.a.   Bring out the magnetic storage fundamentals.
                    (or)
   b.   Outline the CD types.

13.a.   Explain about the VGA.
                    (or)
   b.   Summarize the points on dot matrix printer.

14.a.   Analyze the different network topologies.
                    (or)
   b.   Outline the basics of videoconferencing .

15.a. Write the procedure for Gateways.

(or)

b. Narrate the Telnet performance.

SECTION -C (40 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 8 = 40)

16.a. Describe the functional blocks of mother board.

(or)

b. Highlights the BIOS operation.

17.a. Summarize the disk organization in DOS.

(or)

b. Examine the HDD principles and operations.

18.a. Elucidate the ink jet printer operation.

(or)

b. Enumerate the keyboard function.

19.a. Point out the network protocol services.

(or)

b. Analyze the characteristics of networks.

20.a. Infer the email and firewall in short.

(or)

b. Summarize the TCP/IP protocol performance.

Z-Z-Z   END