

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025  
(Fifth Semester)

Branch – ELECTRONICS

**MAJOR ELECTIVE COURSE – I COMPUTER HARDWARE & NETWORKING**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 What is the full form of CPU?  
a) Computer Processing Unit                      b) Computer Principle Unit  
c) Central Processing Unit                        d) Control Processing Unit
- 2 Saving data and instructions to make them readily available is the job of  
a) Storage Unit                                      b) Cache Unit  
c) Input Unit                                         d) Output Unit
- 3 What does GUI stand for?  
a) Graphical User Instruction                      b) Ground User Interface  
c) General User Instruction                        d) Graphical User Interface
- 4 Which of the following is an example of Bluetooth?  
a) wide area network                                b) virtual private network  
c) local area network                                d) personal area network
- 5 Interpreter is used as a translator for  
a) Low level language                                b) High Level Language  
c) COBOL    d) C

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Draw the block diagram of PC system and explain.  
OR  
b Explain about Bus standards.
- 7 a Discuss about disk organization.  
OR  
b Explain the operation of HDD.
- 8 a Write about VGA.  
OR  
b Discuss about sound blaster.
- 9 a Explain about the need of networking.  
OR  
b Discuss about video conferencing.
- 10 a Explain about routers.  
OR  
b Write a short note about FTP.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

11 a What are the advantages and disadvantages of using personal computers for everyday tasks?

OR

b What role will emerging technologies play in the future of personal computers?

12 a What are the main considerations when choosing a storage device for a computer?

OR

b What are the advantages and disadvantages of using SSDs compared to HDDs?

13 a How do different input devices affect user experience and productivity?

OR

b What are the advantages and limitations of VGA compared to modern display standards?

14 a Discuss about network models.

OR

b Write a short note about ISDN.

15 a How do application programming interfaces (APIs) facilitate integration and interoperability between different software systems?

OR

b Explain about internet.

Z-Z-Z

END