

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2024
(Fifth Semester)

Branch – ELECTRONICS

MAJOR ELECTIVE COURSE – I COMPUTER HARDWARE AND NETWORKING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Who is the father of Computers?
a) James Gosling b) Charles Babbage
c) Dennis Ritchie d) Bjarne Stroustrup
- 2 Components that provide internal storage to the CPU are _____
a) Registers b) Program Counters
c) Controllers d) Internal chips
- 3 These devices provide a means of communication between a computer and outer world.
a) I/O b) Storage
c) Compact d) Drivers
- 4 What is internet?
a) A network of interconnected local area networks
b) A collection of unrelated computers
c) Interconnection of wide area networks
d) A single network
- 5 FTP stands for _____?
a) File Transmission program b) File Transmission protocol
c) File Transfer protocol d) File Transport process

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Discuss about motherboard.
 OR
b Write a short note about SMPS.
- 7 a Explain about memory packages.
 OR
b What is FDD? Briefly explain its operations.
- 8 a Write a short note about mouse and its functions.
 OR
b Briefly explain about printer, and its applications.

Cont....

- 9 a List out the different types of servers.
OR
b Classify the different types of networks.
- 10 a Explain about Bridges.
OR
b Discuss about firewalls.

SECTION -C (30 Marks)

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

- 11 a How do personal computers impact modern society?
OR
b What are the key components of a personal computer, and how do they work together?
- 12 a What are the different types of storage devices used in computers, and how do they differ?
OR
b How do storage devices impact computer performance?
- 13 a What are the primary functions of input and output devices in a computer system?
OR
b What is VGA, and how does it function as a display standard?
- 14 a What are network protocols, and why are they essential for computer networks?
OR
b Explain about characteristics of network.
- 15 a What are the challenges and considerations in application development for different platforms
OR
b Discuss about NIC and its applications.

Z-Z-Z

END