



BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – B.Sc.(ANCS)-Hons-2023
Course Name – Computer Peripherals and OS
Course Code - VAC00004
(Semester I)



Full Marks: 60

Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

- Choose the correct alternative from the following :
- (i) Identify the primary disadvantage of using SSDs as compared to traditional hard disk drives.
 - a) Limited storage capacity

b) Higher cost per gigabyte

c) Slower data access times

- d) Susceptible to mechanical failures
- (ii) Identify, which of the following is an advantage of computers.
 - a) Increased physical activity.
- b) Enhanced human memory without the need for storage devices.

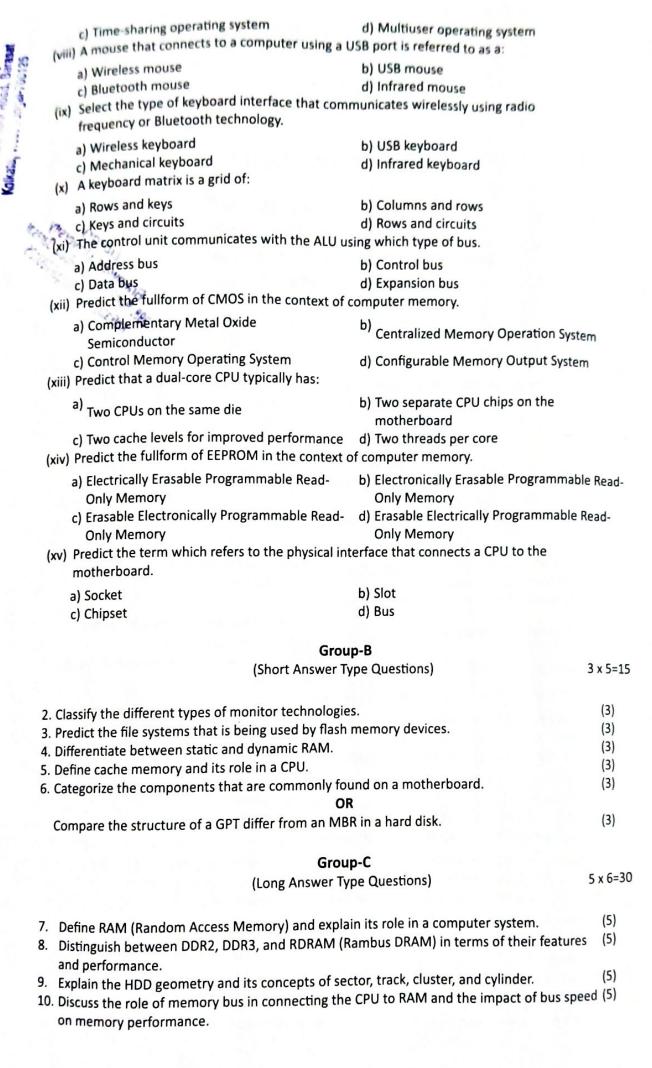
c) Reduction in productivity.

- d) Instantaneous communication with anyone worldwide.
- (iii) Select one of the main disadvantages of computers.
 - a) Improved efficiency in tasks.
- b) Increased productivity in the workplace.
- c) Health risks due to prolonged usage.
- d) Enhanced creativity and imagination.
- (iv) Digital computers represent data using which format.
 - a) Decimal digits

b) Continuous values

c) Analog signals

- d) Binary digits
- (v) Predict the type of operating system which aims to maximize the use of CPU and other resources by overlapping the execution of multiple programs.
 - a) Single-user operating system
- b) Multiprogramming operating system
- c) Time-sharing operating system
- d) Multiuser operating system
- (vi) The multiprogramming operating system allows multiple programs to:
 - a) Be executed simultaneously
- b) Be stored in secondary storage devices
- c) Be developed in different programming languages
- Be protected from viruses
- (vii) Predict the type of operating system which is commonly used in mainframe computers and allows multiple users to access the system simultaneously.
 - a) Single-user operating system
- b) Multiprogramming operating system



11. Describe the motherboard form factor and its importance in determining the physical dimensions and layout of a computer system.

(5)

12. Distinguish between CISC (Complex Instruction Set Computer) and RISC (Reduced Instruction Set Computer) in CPU design types.

(5)

OR

Explain the different types of processor modes, including real mode and virtual real mode, (5) and their significance in a computer system.

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