

2018

COMPUTER SCIENCE

( Major )

Paper : 2.1

( ICT Hardware )

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Answer the following as directed : 1×7=7

(a) In ROM BIOS, the acronym BIOS stands for

- (i) Basic Intuitive Output Set
- (ii) Basic Input Organizational System
- (iii) Basic Input Operating System
- (iv) Basic Input Output System

( Choose the correct option )

(b) Keyboard is an example of

- (i) direct input method
- (ii) indirect input method
- (iii) network input method
- (iv) stored input method

( Choose the correct option )

(c) A disk is divided into several concentric circles called

- (i) track
- (ii) sectors
- (iii) cylinders
- (iv) cluster

( Choose the correct option )

(d) Which of the following printers produces most noise?

- (i) Inkjet Printer
- (ii) Laser Printer
- (iii) Dot Matrix Printer
- (iv) None of the above

( Choose the correct option )

(e) An IPv6 address can have up to \_\_\_\_\_ hexadecimal digits.

( Fill in the blank )

(f) The storage capacity of a floppy disk is measured in

- (i) Kilobyte
- (ii) Megabyte
- (iii) Gigabyte
- (iv) Terabyte

( Choose the correct option )

- (g) A standard CD ROM can hold data up to
- (i) 144 MB
  - (ii) 650 MB
  - (iii) 2 GB
  - (iv) 1 TB

( Choose the correct option )

2. Answer the following questions :

2×4=8

- (a) What is USB?
- (b) Differentiate between SRAM and DRAM.
- (c) What is the function of memory disk defragmenter?
- (d) What are the two most common 486 chipsets?

3. Answer any *three* questions :

5×3=15

- (a) Explain in brief about different types of printers used with PCs.
- (b) Explain the different types of partitions allowed in hard disk partitioning.
- (c) Describe briefly the different types of RAM used in PCs.
- (d) Explain the different functions of BIOS.
- (e) Write in brief about IP address.



4. Answer any *three* questions : 10×3=30

- (a) Describe briefly different components of Motherboard used in PC.
- (b) Briefly describe the logical structure of HDD.
- (c) Describe briefly the different types of file systems used in PCs.
- (d) Write in brief about the preventive maintenance for DVD and CD drives.
- (e) Write in brief about the classification of computers.
- (f) Write short notes on any *four* of the following :
  - (i) SMPS
  - (ii) Virus
  - (iii) Mouse
  - (iv) Virtual memory
  - (v) RJ-45 connector
  - (vi) Patch cord

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