

2023

INFORMATION TECHNOLOGY

Paper: INTO100104

(Fundamentals of Computer)

Full Marks: 60

Pass Marks:

Time: Two and a half hours

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

1. Answer the following questions as directed:

1 x 8 = 8

a) The brain of any computer system is

i) ALU

ii) Memory

iii) CPU

iv) None of them

b) Which of the following computer memory is fastest?

i) Register

ii) Hard Disk

iii) RAM

iv) ROM

c) The generation based on VLSI microprocessor

i) 1st

ii) 2nd

iii) 3rd

iv) 4th

d) Which of the following is not a Operating System?

i) Window

ii) Linux

iii) UNIX

iv) MS Word

e) A process is a _____

i) single thread of execution.

ii) program in the execution

iii) program in the memory

iv) task

f) What is smallest unit of the information?

i) A bit

ii) A byte

iii) A block

iv) A nibble

g) What is the decimal equivalent of the binary number 10111?

i) 21

ii) 39

iii) 42

iv) 23

h) What is the full form of USB?

i) Unshielded System Board

ii) Universal System Board

iii) Unidentified System Bus

iv) Universal System Bus

2. Answer **any six** from the following questions: $2 \times 6 = 12$

- a) What are the hardware components in computer?
- b) Write the different types of memory.
- c) What is internet?
- d) Define OS.
- e) What is software? What are the different types of software?
- f) Difference between Primary memory and Secondary memory.
- g) What is Computer? Explain different components of computer.
- h) What is CPU? Explain different parts of CPU.
- i) Differentiate between Software and Hardware.
- j) What is Intranet?

3. Answer **any four** of the following: $5 \times 4 = 20$

- a) What is e-mail? What are its merits and demerits?
- b) What is hardware? Explain the Various Kinds of Input Devices.
- c) State the Characteristics of Computer.

- d) What is an Operating system? What are its types?
- e) What is Network? Explain different types of Networks.
- f) What is the Recycle bin? What are the uses of Recycle Bin?
- g) What is a function in Ms Excel? What function is used for counting the number?
- h) What is a Firewall?

4. Answer the following questions (**any two**): $10 \times 2 = 20$

- a) What is a Function in MS Excel? How can you display the maximum value within the range C4:C9?
- b) Write the steps to implement mail merge in MS Word.
- c) Explain the concept of LAN and WAN in networking.
- d) Explain the use of any five input and output devices of a computer.
- e) Differentiate between System software and Application software.