

Total number of printed pages-3

52 /44 (1) CIT0100104

2023

**COMPUTER FUNDAMENTALS**

Paper : CIT 0100104

Full Marks : 45

Time : Two hours

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

1. Fill in the blanks : 1×5=5

(a) Full form of ASCII is \_\_\_\_\_.

(b) \_\_\_\_\_ is the main component in 3<sup>rd</sup> generation computer.

(c) \_\_\_\_\_ html tag is used to create a table.

(d) Full form of FTP is \_\_\_\_\_.

(e) Compiler is a \_\_\_\_\_ Software.

2. Answer the following questions : **(any five)**  
2×5=10

(a) Convert the binary number 010101101 to decimal number.

Contd.

- (b) Convert the decimal number 152.25 to octal number.
- (c) Define Analog and digital Computer.
- (d) Why RAM is called volatile memory ?
- (e) What do you mean by LCD and LED ?
- (f) Define LAN and WAN in computer network.
- (g) Write the use of <br> html tag with example.
- (h) Define OMR and OCR.
- (i) What do you mean by Operating system ?
- (j) Define trackball and joystick.

3. Answer the following questions : **(any four)**  
5×4=20

- (a) Briefly explain the different types of RAM with examples.
- (b) Draw the block diagram of computer and briefly explain the different components of computer.
- (c) Distinguish the high level and low level language.

- (d) Briefly explain the difference between compiler and interpreter.
- (e) Briefly explain the micro and mini computer.
- (f) What do you mean by open source software ? Give some examples.
- (g) Define flowchart and draw the different symbols which are used in flowchart.
- (h) Write the features of 1<sup>st</sup> and 2<sup>nd</sup> generation of computer.

4. Answer the following questions : **(any one)**

10

- (a) Write the algorithm and draw the flowchart to find average of  $n$  numbers.
- (b) Explain the different types of network topologies.
- (c) Write a html code using `<h1>`, `<h2>`, `<a>`, `<ul>`, `<ol>`, `<li>`, `<td>`, `<tr>` tags with *any* example.
- (d) Explain different types of printers with examples.