D 112324 (Pages : 2) Name...

Reg. No.....................................

FIRST SEMESTER (CUFYUGP) DEGREE EXAMINATION NOVEMBER 2024

Information Technology

ITY 1CJ 101—FUNDAMENTALS OF I.T. AND COMPUTATIONAL THINKING

(2024 Admission onwards)

Time : Two Hours Maximum : 70 Marks

Section A

Answer **all** *questions.*
Each question carries 3 *marks.*
Ceiling 24 *marks.*

1. State any *three* characteristics of the computer system.

2. Write a note on BCD.

3. List out the contributions of Charles Babbage.

4. What is GPU ?

5. What is a Transistor ?

6. Recall the use of Booting process.

7. What is GRUB ?

8. Write on Driver.

9. State the advantage of open-source software.

10. What is Reasoning ?

Section B

Answer **all** *questions.*
Each question carries 6 *marks.*
Ceiling 36 *marks.*

11. Compare the single code and dual core processors.

12. Elaborate on Stored Program Architecture.

13. Write on the various Storage devices.

Turn over

14. Compare active and passive component of a hardware system.

15. Narrate the significance of an OS.

16. Relate Application software with system software.

17. List out the qualities of good algorithm.

18. Build a flow chart for reading the ages of two persons and print the elder one.

Section C

Answer any **one** *question.*
The question carries 10 *marks.*

19. Explain the various components of a mother board and the significance of each one.

20. Evaluate the use of Computational thinking in solving a problem.

(1 × 10 = 10 marks)