Enrollment Number: ....

Name: ....

BCA DEGREE EXAMINATIONS, DECEMBER 2024
First Semester
Bachelor of Computer Applications
B21CA01DC – Introduction to Information Technology
(2024 January admissions)

Time: 3 Hours   **Max Marks: 70**

Section A

Answer any ten of the following questions in a word or sentence each. Each question carries 1 mark.

1. What does EEPROM stand for?
2. Define a Nibble.
3. Give the names of two types of scanners.
4. MIPS is the short form of ----
5. DRAM is made of 2 components --------and------
6. Which cache level is situated in the processor?
7. What is OPCODE field?
8. Name the device used to divide network traffic into segments.
9. What does the error message 404 represent?
10. Define the term HTML element.
11. Interactive webpages can be made using -------------
12. What is Malware?
13. The Internet services to homes are provided by---
14. List any 2 mobile operating Systems.
15. What is warm booting?

(1 X 10= 10)

Section B

Answer any five of the following questions in two or three sentences each. Each question carries 2 marks.

16. What is a URL?
17. What are Hard Real time Systems?

18. What are Solid state drives?
19. List the types of instructions used in an instruction set.
20. What is Hit ratio?
21. What is USB?
22. Name an Operating system of the following categories-
    a. Single User Single tasking.
    b. Multi user OS.
23. Define System Software. Give an Example
24. What is GUI?
25. What is language Translator? Give an example.

(2 X 5 = 10)

Section C

Answer any five of the following questions in a paragraph each. Each question carries 4 marks.

26. Differentiate between a Hub and a Switch.
27. Write short notes on Star Topology.
28. Explain about the basic types of web pages seen in the Internet.
29. Discuss on the main categories of HTML documents.
30. Explain four features of Email software.
31. Compare High level and low-level languages.
32. What is a Distributed Operating System? List four advantages of Distributed Operating systems.
33. What is POST?
34. Give differences between Logical and Physical Addresses.
35. Give the advantages and disadvantages of cache memory.

(4 X 5 = 20)

Section D

Answer any two of the following questions in three pages each. Each question carries 15 marks.

36. Discuss about the various classifications of Computers.
37. Compare RISC and CISC.
38. Explain about the various types of CPU Registers.
39. Describe about the types of Computer Networks.

(15 X 2= 30)