

QP CODE

B1016

Enrollment Number:

Name:

BSC DEGREE EXAMINATIONS, APRIL 2025
First Semester
B.Sc. Data Science
B24DS01DC – Fundamentals of Information Technology
(2024 July 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 is BIOS?
2. What is a nibble?
3. List any two examples for storage devices.
4. Write the purpose of a digital computer.
5. Differentiate cache hit and cache miss.
6. What is booting?
7. What is the purpose of POST?
8. Write a short note on Real Time OS.
9. Define application software.
10. Write the importance of network switch.
11. Write the expansion and importance of URL.
12. How to filter email messages?
13. Write down the structure of HTML.
14. What is the purpose of google docs?
15. List any two applications of Artificial Intelligence.

(1X10=10)

Section B

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

16. Write a note on number system.
17. What are general types of register?
18. What is system software?
19. Define language translators.

20. Write the purpose of WAN and its advantages.
21. Write a short note of frame tag in HTML.
22. Describe multimedia tags.
23. Write a note on anchor tags and attributes.
24. Briefly explain google forms.
25. What is virtual reality?

(2X5=10)

Section C

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

26. Compare RAM and ROM.
27. Explain the conversion of digital number system to binary number system with example.
28. Difference between RISC and CISC.
29. Explain functions of operating system.
30. Explain any four networking devices.
31. Write a note of LaTeX and its features.
32. Write about the types of booting in detail.
33. Differentiate high level and low level language.
34. Explain the table tags of HTML with an example.
35. What are the benefits of IoT?

(4X5=20)

Section D

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

36. Explain any four input devices and four output devices.
37. Describe memory hierarchy in detail.
38. Explain the basic concepts of computer networks. Describe down the types of networks.
39. Explain the application of information technology in the field of medicine.

(15X2=30)