

QP CODE

G1023

Enrollment Number:

Name:

B.A DEGREE EXAMINATIONS, JUNE 2026

Sixth Semester

Common for B.A Economics/History/Sociology/Philosophy

B21CA01GE – Computer Systems and Internet Technologies

(2023 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 do you mean by software?
2. Define Virtual Memory.
3. Which generation of computers use Vacuum Tubes?
4. Identify the role of Shell in an Operating System.
5. What do you mean by Telnet?
6. What is Ransomware?
7. Identify any two benefits of a firewall.
8. What do you mean by Two-Way Authentication?
9. Which protocol is used to transfer files over the Internet?
10. Define modem.
11. What do you mean by bandwidth?
12. Identify the cloud service model where the applications are hosted over the Internet.
13. What is ZigBee?
14. Expand HTML.
15. Name the algorithm introduced by Google for its search engines.

(1X10=10)

Section B

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

16. Compare System Software and Application Software.
17. Define a Language Processor and list its types.

18. Differentiate between HDD and SSD.
19. What do you mean by Kernel?
20. What is a Proprietary Operating System?
21. Distinguish between Web Client and Web Server.
22. What are the key features of Cloud Data Storage?
23. Identify the function Router in a computer network.
24. Compare the features of IPv4 and IPv6.
25. Define GPRS and state its purpose.

(2X5=10)

Section C

Answer any five of the following questions in one page each. Each question carries 4 marks.

26. Discuss the key characteristics of Portable Devices.
27. What is a System Call? Identify any three Common System Calls used.
28. Describe the functions of FreeRTOS and QNX Neutrino.
29. Explain the Boot Process and the role of BIOS in booting.
30. Discuss the steps in a Standard Troubleshooting Process.
31. Describe the basic components of a Network Communication System.
32. Compare IP Address and MAC Address.
33. Describe the key benefits of Cloud Computing in Education.
34. Discuss the various applications of 5G.
35. What is GPS? Explain the Components of GPS.

(4X5=20)

Section D

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

36. Discuss the classification of computers based on size and power.
37. Explain the Step-by-Step procedure for installing the Operating System.
38. Discuss the various categories of Network Connections.
39. Explain the key characteristics of Cloud Computing. Discuss the four primary types of Cloud Deployment.

(15X2=30)