

QP CODE
B1045

Enrollment Number:

Name:

FOUR YEAR UNDER GRADUATE DEGREE EXAMINATIONS, APRIL 2025

First Semester

SGB24CA101MD – Computer System and Internet Technologies

(2024 July admissions)

Time: 2 Hours

Max Marks: 45

Section A

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

1. What is QNX Neutrino?
2. What is the primary advantage of Virtual Memory?
3. Define Router.
4. What do you mean by Botnets?
5. Write any two features of UDP.
6. Identify the function of Bluetooth technology.
7. What is Grid Computing?
8. What do you mean by Hadoop?

(1X5=5)

Section B

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

9. What are the applications of Radio Waves?
10. Write short note on Firewall.
11. What is VPN?
12. What are the functions of BIOS?
13. Compare the language translators: Assembler and Compiler.
14. Define Communication Software. Write any two examples.

15. Identify the disadvantages of Connectionless protocol.
16. List and explain the components of GPS.

(2X5=10)

Section C

Answer any four of the following questions in one page each. Each question carries 5 marks.

17. Differentiate Single Bus and Multiple Bus Architecture.
18. Identify the roles of the following components in an operating system: Kernel, Command Interpreter, System Calls and Signals.
19. Discuss about HTML text formatting elements.
20. What is ICMP? Describe the working and packet format of ICMP.
21. Describe about TCP/IP protocol suite.
22. Compare IP Address and MAC Address.

(5X4=20)

Section D

Answer any one of the following questions in three pages each. Each question carries 10 marks.

23. Define Topology. Explain in detail about different Network Topologies. Describe the advantages and disadvantages of each topology.
24. What is Cloud Computing? Explain the types of Cloud deployments and Cloud service models.

(10X1=10)