BCA DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement, 2019 &2018 Admissions Supplementary)

SEMESTER IV - CORE COURSE (BCA (CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)

BCA4B12B18 - BASICS OF SERVER OPERATING SYSTEM

Time : 3 Hours   **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks   **(10x2=20)**

1. Describe IIS.

2. How can a server benefit your business?

3. Define Server OS.Give examples.

4. List any four Web Servers.

5. What is the difference between IPv4 and IPv6?

6. Mention the need for a server core.

7. What are root hints?

8. List down the types of Domain Name Servers.

9. What do you mean by a Bootstrap problem?

10. What is Active Directory and why is it used?

11. What are the dependencies in Server Manager?

12. Give any two extensions that makes up Group Policy Preferences.

Part B

II. Answer any Six questions. Each question carries 5 marks   **(6x5=30)**

13. Explain Internet Information Services and its working.

14. A block of IP address is granted to a small organization. One of the ip address is 192.7.16.22/26. What is the first and last address of the block?

15. LIst the rules to be followed during CIDR Block forming.

16. Explain enabling Windows firewall with Advanced security.

17. Describe DNSSEC.

18. Explain the steps to prepare a forest on read only domain controllers.

19. Briefly explain replication between domain controllers.

20. Briefly explain event log and its types.

21. Describe client side extensions.

Part C

III. Answer any Two questions. Each question carries 15 marks   **(2x15=30)**

22. Illustrate and compare both IPV4 and IPV6 datagram packets.

23. Write an essay on DNS zone transfer. Also explain zone deligation.

24. Explain a) Active Directory domain Service b) Active Directory Database c) Active Directory Power Shell

25. Explain the process of Windows Server update using WSUS.