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**GASABO DISTRICT**

**DISTRICT COMPREHENSIVE ASSESSMENT, RTQF LEVEL\_4 2023-2024**

**SECTOR: ICT AND MULTIMEDIA**

**TRADE: SOFTWARE DEVELOPMENT**

**MODULE CODE: SWDWS401**

**MODULE NAME**: **BASIC WINDOWS SERVER ADMINISTRATION**

**DATE OF EXAM: 15-3-2024**

**DURATION: 3 HRS**

**SCHOOL YEAR: 2023-2024**

**TERM: 2**

**Instructions:**

1. **Attempt all questions in section A (55 Marks)**
2. **Attempt three questions in section B (30 Marks )**
3. **Attempt one question in section C (15 Marks)**

**SECTION A (Attempt all Questions) / 55 Marks**

**Q1.** Define the following terminologies used in windows server administration / **5 Marks**

1. Server
2. Client
3. Hypervisor
4. Active directory (AD)
5. Network operating system

**Q2.** choose the correct answer **/ 4 Marks**

1. RAID is stands for
2. Redundant Arithmetic Independent Disk
3. Repeated Array Independent Disk
4. Redundant Array Independent Disk
5. All above are correct answer
6. The window server role that involve in providing IP Address dynamically to client is:
7. DNS Server
8. DHCP Server
9. ADDS
10. Print Server
11. a server role that ensures the user accessibility and authenticate user over windows server is called
12. DHCP Server
13. DNS Server
14. ADDS
15. No correct answer
16. A server role that translates domain into IP Addresses and vice-versa during user requesting services from server is

a) HTTP Server

b) DNS Server

c) IIS Server

d) No correct answers

**Q3.** Match the following windows server a terminologies(A) with their description (B) **/ 5 Marks**

|  |  |  |
| --- | --- | --- |
| Answer | Windows server terminologies (A) | Description (B) |
|  | 1. Virtualization | 1. a **container within a Microsoft Windows Active Directory (AD) domain that can hold users, groups and computers** |
|  | 1. Organization Units | 1. a logical grouping of network objects that share a common directory database, security policies, and trust relationships |
|  | 1. Domain | 1. a technology that allows the creation of virtual instances or representations of various computing resources, such as servers, storage, networks, or operating systems |
|  | 1. User Account | 1. a technology that combines multiple physical hard drives into a single logical unit to improve performance, data protection, and storage efficiency. |
|  | 1. RAID Technology | V.accounts created for individual users in a computer system or network and allow users to log in, access resources, and perform various actions on the system / server |

**Q4.** List three advantages or function of Network Operating System **/3 Marks**

**Q5**. Enumerate Three (3) Importance / advantages of RAID technology **/ 3 Marks**

**Q6.** Illustrate three (3) importance of server virtualization **/ 3 Marks**

**Q7.**  Identify Three (3) hypervisor technologies that you know **/ 3 Marks**

**Q8.** List any three (3) windows server role that you know **/ 3 Marks**

**Q9.** what the two types of user account in windows server Administration **/ 3 Marks**

**Q10.** what are three (3) types of Group policy objects **/ 3 Marks**

**Q11**. Give three (3) different between work group from domain **/ 3 Marks**

**Q12.** Mention are the steps to join domain in windows server **/ 5 Marks**

**Q13.** what is delegation in windows server **/ 1 Marks**

**Q14.** Differentiate Group policy object from group policy management **/ 2 Marks**

**Q15.** What are three types server of virtualization **/ 3 Marks**

**Q16**. List steps to create Organization Units in Active Directory **/ 5 Marks**

**Q17.** Give two software application used in Virtualization process **/2 Marks**

**SECTION B (Choose three Questions) / 30 Marks**

**Q18.** Explain any Five (5) RAID levels that you know **/ 10 Marks**

**Q19.** Discuss on five (5) components of DHCP Scope in windows server **/ 10 Marks**

**Q20.** Explain Five (5) types of DNS queries in windows server administration **/ 10 Marks**

**Q21.** Explain four stages does DHCP operate through to provide IP Addresses dynamically to clients **/ 10 Marks**

**Q22.** Give and explain any five windows server role and features in windows server **/ 10 Marks**

**SECTION C ( Choose one question ) / 15 Marks**

**Q23**. Explain Four(4) types of DNS zone in windows server **/ 15 Marks**

**Q24**. Give and Explain Five( 5) types of DNS record that you know in windows server **/ 15 Marks**

**END OF COMPREHENSIVE ASSESSMENT !!!**