



*Republic of Rwanda
City of Kigali*



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**

- a) Server

- b) Client
- c) Hypervisor
- d) Active directory (AD)
- e) Network operating system

Q2. choose the correct answer / 4 Marks

A. RAID is stands for

- I. Redundant Arithmetic Independent Disk
- II. Repeated Array Independent Disk
- III. Redundant Array Independent Disk
- IV. All above are correct answer

B. The window server role that involve in providing IP Address dynamically to client is:

- I. DNS Server
- II. DHCP Server
- III. ADDS
- IV. Print Server

C. a server role that ensures the user accessibility and authenticate user over windows server is called

- I. DHCP Server
- II. DNS Server

III. ADDS

IV. No correct answer

D. 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 terminologies(A) with their description (B) **/ 5 Marks**

Answer	Windows server terminologies (A)	Description (B)
	A. Virtualization	I. a container within a Microsoft Windows Active Directory (AD) domain that can hold users, groups and computers
	B. Organization Units	II. a logical grouping

		of network objects that share a common directory database, security policies, and trust relationships
	C. Domain	III. a technology that allows the creation of virtual instances or representations of various computing resources, such as servers, storage, networks, or operating systems
	D. User Account	IV. a technology that combines multiple physical hard drives into a single logical unit to improve performance, data protection, and storage efficiency.
	E. 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
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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 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 !!!