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C16-CM-503

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BOARD DIPLOMA EXAMINATION, (C-16)

JUNE/JULY—2022

DCME - FIFTH SEMESTER EXAMINATION

SYSTEM ADMINISTRATION

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

3×10=30

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **three** marks.  
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Write any three differences between Linux and Windows operating systems.
2. Give the procedure for configuring Windows system with a static IP address.
3. Write a short note on need for Windows Server 2008.
4. Write a short note on “Hyper-V Services” available in Windows Server 2008.
5. What is a virtual private network? List any two uses of virtual private networks.
6. Write a short note on Remote Access Server (RAS).
7. Write the procedure for sharing a folder in Windows Server 2008.
8. List any six shell commands available on Linux distributions.
9. Write the procedure for creating a user on Linux using suitable command.
10. Write the procedure for data backup on Linux systems.

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## PART—B

**Instructions :** (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** (a) Write short notes on securing systems and networks with firewalls and passwords. 5
- (b) Explain in detail about “Standard” and “Datacenter” Windows Server 2008 editions. 5
- 12.** Explain in detail about following server roles available in Windows Server 2008 :
- (a) Active Directory Certificate Services 4
- (b) Active Directory Lightweight Directory Services 4
- (c) Print Services 2
- 13.** Explain in detail about installing and configuring “Active Directory Domain Services” on Windows Server 2008. 10
- 14.** Explain in detail about installing and configuring “DHCP Server” on Windows Server 2008. 10
- 15.** (a) Write short notes on various disk management functionalities available in Windows Server 2008. 6
- (b) Explain the procedure for checking authenticity of device drivers by verifying device driver digital signatures. 4
- 16.** (a) Explain briefly about any two Desktop Environments available for Linux. 5
- (b) Explain the usage of “grep” command in Linux with at least four options. 5

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- 17.** Explain in detail the procedure for installing and configuring web server in Linux environment. 10
- 18.** Explain briefly any five security features available in Linux operating systems. 10

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