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BOARD DIPLOMA EXAMINATION, (C–16)
NOVEMBER—2020
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. What is anti-virus software? State any two benefits of using it.

2. What is DHCP and what is it used for?

3. Write a short note on Windows Server 2008 Datacenter edition.

4. Write a short note on IIS web server role in Windows Server 2008.

5. Write the procedure for getting device driver digital signer details on Windows Server 2008.

6. Write the procedure for shrinking a disk partition/volume on Windows Server 2008.

7. Write about the role of active directory domain controller in Windows Server 2008 environment.

8. Explain the usage of 'wc' (word count) LINUX command with at least three options.

9. Write about Network File System (NFS) in LINUX.

10. List the names of any six web browsers available for Linux operating systems.

PART—B   10×5=50

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

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

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

11. *(a)* What is a firewall? Explain how systems and networks can be secured using firewalls.   1+4=5

(b) Write system hardware requirements for Windows Server 2008.   5

12. *(a)* Explain in detail about the role of 'Application Server' in Windows Server 2008.

(b) Explain in detail about the role of 'Active Directory Lightweight Directory Services' in Windows Server 2008.
                                                                            5+5=10

13. Explain in detail about installing and configuring DNS on Windows Server 2008.

14. Explain in detail the procedure for installing and configuring VPN Server's role on Windows Server 2008.

15. *(a)* Explain in detail the procedure for creating 'Local User Account' on Windows Server 2008.   5

(b) Explain in detail the procedure for creating 'Domain User Account' on Windows Server 2008.   5

16. Explain in detail the procedure for installing a Linux distribution.

17. Explain in detail the procedure for installing and configuring DNS in Linux environment.

18. Explain briefly any five security features available in Linux operating systems.

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