DIP–408	DCHS–4

DIPLOMA EXAMINATION —
JANUARY, 2015.

Diploma in Computer Hardware Servicing

DATA RECOVERY

Time : 3 hours   Maximum marks : 75

SECTION A — (20 × 1 = 20 marks)

Answer ALL the questions.

1. What is a type of virus that spreads itself, not just from file to file, but from computer to computer via e-mail and other Internet traffic?

    (a)   Computer virus

    (b)   Worm

    (c)   Denial-of-service attack

    (d)   None of the above

2. What is the process of making a copy of the information stored on a computer?

    (a)   Backup   (b)   Anti-virus

    (c)   Firewall   (d)   Biometrics

3. What software detects and removes or quarantines computer viruses?

    (a) Backup   (b) Anti-virus

    (c) Firewall   (d) Biometrics

4. What is hardware and/or software that protects computers from intruders?

    (a) Backup   (b) Anti-virus

    (c) Firewall   (d) Biometrics

5. What is an encryption system that uses two keys: a public key that everyone can have and a private key for only the recipient?

    (a) Encryption

    (b) Public key encryption

    (c) Intrusion-detection software

    (d) Security-auditing software

6. What checks out your computer or network for potential weaknesses?

    (a) Encryption

    (b) Public key encryption

    (c) Security-auditing software

    (d) None of the above

7.	MBR stands for
    (a)	Master boot recovery
    (b)	Master boot receiver
    (c)	Master boot record
    (d)	None of the above

8.	Which of the following to viruses harm?
    (a)	Your keyboard
    (b)	Your monitor
    (c)	Your processor
    (d)	Viruses do not harm any of the above

9.	Which of the following can a virus do?
    (a)	Hurt your hardware
    (b)	Hurt any files they weren't designed to attack
    (c)	Infect files on write-protected disks
    (d)	None of the above

10.	Which of the following is a characteristic of a firewall?
    (a)	Examines each message as it seeks entrance to the network
    (b)	Blocks messages without the correct markings from entering the network
    (c)	Detects computers communicating with the Internet without approval
    (d)	All of the above

11. Which of the following examines information passing through switches, hubs or routers?

    (a) Key logger   (b) Packet sniffer

    (c) Log analysis tools (d) Screen captures

12. ECC stands for

    (a) Error correction code

    (b) Error condition code

    (c) Error control code

    (d) Error catch code

13. E-mail messages may be stored on which of the following computers?

    (a) Sender's computer (b) Sender's server

    (c) Recipient's server (d) All of the above

14. Cookies are used to do which of the following?

    (a) Store your ID and password for subsequent logons to the site

    (b) Store contents of electronic shopping carts

    (c) To track web activity

    (d) All of the above and more

15. What is the name of the new anti-spam bill?

    (a) No-Spam   (b) CAN-Spam

    (c) Spam-Away   (d) Stop Spam

16. PING stands for

(a) Packet InterNet Groper

(b) PartitionedImage is Not Ghost

(c) PartImage Is Not Ghosted

(d) None of the above

17. A honey pot is an example of what type of software?

(a) Encryption   (b) Security-auditing

(c) Virus   (d) Intrusion-detection

18. The BIOS is a program stored in

(a) ROM   (b) RAM

(c) Hard disk   (d) CD

19. Which type of software monitors a computer or network for potential weaknesses?

(a) Public key encryption

(b) Firewall

(c) Virus

(d) Intrusion-detection

20. IRC stands for

(a) Internet relay chat

(b) Internet relay communication

(c) Internal relay communication

(d) None of the above

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

21. Describe the ways of spreading virus.

22. Write short notes on boot record.

23. How does a magnetic disk drive work? Explain.

24. Write short notes on system disk cloning.

25. Explain about scandisk error level.

26. Write short notes on file recovery.

27. Explain about windows registry.

28. Write about the most important actions that you should take to preventing virus infection.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

29. Discuss in detail about stick file recovery software.

30. Discuss detail about Disk Cloning using GHOST.

31. Explain about command line editing.

32. Explain about Optical Drive work.

33. Explain partitioning the Hard Drive using FDISK.

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