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Duration : 1½ hrs

**ELECTRONICS FIELD
TECHNICIAN**

Subject Code

H	4	0	9	1
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Total No. of Questions : 42 (Printed Pages : 8)

Maximum Marks : 40

INSTRUCTIONS : (i) Write the question number and the subquestion number clearly.

(ii) All questions are compulsory.

(iii) Figures to the right indicate full marks.

Select and write the most appropriate alternative given below each statement and rewrite complete statement. 3

1. "Tomorrow is a Holiday." is an example of sentence.

- Declarative
- Interrogative
- Exclamatory
- Imperative

2. Long term patterns of thoughts and behavior that are unhealthy and rigid is called as

- Personality
- Personality Disorder
- Stress
- Anxiety

3. The parameter which describes an individual's personality is
- Self confidence
 - Openness
 - Neuroticism
 - Agreeableness
4. The formula to find the total of 2 + 3 in a spreadsheet software is
- $2 + 3 =$ enter
 - $= 2 + 3$ enter
 - $= 2/3$ enter
 - $= 2*3$ enter
5. Ms. Sharma has all her student's subject marks and their totals in a spreadsheet software. If she wants to find the total of three students with highest marks, she can use feature of a spreadsheet software.
- Mail merge
 - Sort
 - Smartart
 - Autosum
6. One of the non-verbal signs of active listening is
- Nodding
 - Rubbing hands
 - No eye contact
 - Poor body posture

Answer the following questions. 4

7. Define the following terminologies used in spreadsheet software :
- (a) Cell
 - (b) Worksheet.
8. Describe the environmental barrier in entrepreneurship. (any *four*)

Answer the following questions in one sentence. 3

9. What are the barriers that affect active listening ? (any *two*)
10. Pavan has a personality disorder due to which he has excessive concern over orderliness of his study table and things around him. What personality disorder is he facing ?
11. Give any *two* examples of E-Waste.

Compare the Co-ordination in first pair and complete the second pair by choosing the correct answer from the options given below. 1

(Punching, MODEM, Cabling, Crimping, WiFi, Dial-Up)

12. Fiber optics cable : Splicing :: Network Cable:
13. Wired Internet Connection : Ethernet :: Wireless Internet Connection :

Give single term from the options given below for the following descriptions : 1

(firewall, trojan horse, computer worm, antivirus)

14. The network security device that monitors and filters incoming and outgoing network traffic based on security policies.
15. Independent program that replicates itself and sends copies from computer to computer across the network connection.

16. Match the following items in column A with Correct items in column B and write the correct pair : 1

‘A’	‘B’
I. Half Duplex	(a) Telephone
II. Full Duplex	(b) Walkie talkie
	(c) Radio
	(d) Remote control

Answer the following questions : 4

17. Write the minimum system/hardware requirement for installing Windows Server 2016 in terms of the following hardware :

- (a) RAM
- (b) Processor
- (c) HDD
- (d) Graphics

18. What one should do in order to prevent from virus attack ? (any 2 points)

Answer the following questions in one sentence. 3

19. Name *two* types of Linux Users.
20. Write any *two* services that ADDS provides in Windows Server 2016.
21. Write the names of any *two* tools a technician must have before disassembling a computer system.

Choose the correct alternative from the given option and rewrite complete sentence : **3**

22. Trojan Horse is a type of
- Virus
 - Worm
 - Antivirus
 - Skyware
23. Preeta is working as a Network administrator in an IT company having Linux based network. Now the company has decided to install Windows software on their server. The feature Preeta can use to always reboot the Linux server to run Windows software is
- Dual partitioning
 - Dual booting
 - Dual programming
 - Dual servicing
24. The use of computer for illegal activities such as creating someone's fake profile on social media is known as
- Monetary theft
 - Identity theft
 - Legal ramification
 - Ethical theft

25. Full form of ISP in computer networking is
- Intra Service Packet
 - Internet Service Provider
 - Internet Service Packet
 - Intra Service Provider
26. An example of Linux terminal emulator is
- KDE : Konsole
 - Bluestacks
 - Gameloop
 - NoxPlayer
27. MAC address is a digit address.
- 12
 - 14
 - 16
 - 32

Answer the following questions.

4

28. Name and explain any *two* types of computer hackers.
29. Identify and write the classes of the given IP address :
- (a) 129.43.12.11
- (b) 74.13.123.14

Answer the following questions in one sentence.

3

- 30. What is Linux Command ?
- 31. Write any *one* advantage of Star Topology.
- 32. Why do we use PING utility ?

Compare the Co-ordination in first pair and complete the second pair by choosing the correct answer from the options given below.

1

(Processor, HDD, RJ35, RAM, RJ45, RJ55)

- 33. No Signal : VGA Failure :: Beep Sound :
- 34. Telephone port : RJ 11 :: Network port :

Give single term from the options given below for the following descriptions :

1

(LAN, MAN, Link Local address, Loop Back Address)

- 35. Group of computers connected on a network restricted to a small area like office or a building.
- 36. IP address that is used for self testing of a computer's network connectivity.
- 37. **Match the following items in column A with correct items in column B and write the correct pair :**

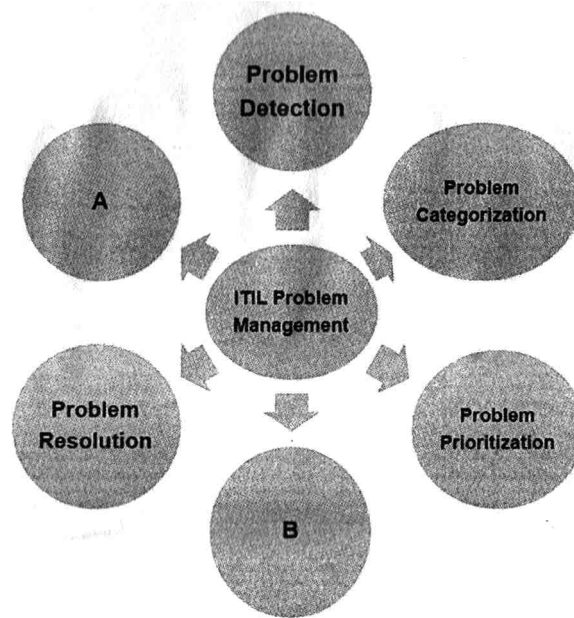
1

'A'	'B'
I. Pharming	(a) Identity Theft
II. Ransomware	(b) Website traffic manipulation
	(c) Online money extortion
	(d) Data duplication.

Answer the following questions.

4

38. Write any *four* possible reasons if the Internet is not working.
39. Given below is the flow of the process in ITIL problem management. Identify and write the name of the process marked as A and B.



Answer the following questions in one sentence each.

3

40. What is a Computer Virus ?
41. Give any *two* examples of Antivirus Software.
42. Mr. D'Costa received a call claiming to be from his bank and asked for his debit card number and secret CVV number from his card. After sometime, Mr. D'Costa received a SMS of a big amount being debited from his account. What kind of an Online Scam did Mr. D'Costa face ?