



ACADEMIC WORLD SCHOOL™

BEMETARA

SUMMER VACATION ASSIGNMENT

SESSION 2020-21

CLASS: XII

SUBJECT- INFORMATICS PRACTICES (065)

General Instructions

- (i) Complete the Assignment in the separate Notebook.
- (ii) For Reference notes, please refer to the link given below:

https://drive.google.com/file/d/11mSbZ3DUwsTKA_gk7psbB1pv0WEtE7jr/view?usp=sharing

UNIT-3 COMPUTER NETWORKING

1. Define a network? Why is it needed?
2. What is an IP Address? How is it different from MAC address?
3. What is a domain name? How it is alternatively known?
4. What is the difference between MAN & WAN?
5. What is the difference between Guided media and Unguided media?
6. What is meant by topology? What are the factors that must be considered before making a choice for the topology?
7. Give two advantages & two disadvantages of given Topologies:-
(a) Star (b) Tree (c) Bus
8. Define the following:-
(a) Hub (b) Firewall (c) Switch (d) Bluetooth
9. Write a short note on History of Internet?
10. What is a Web Server?
11. Define Internet? Name some services offered by the Internet.
12. What do you understand by Domain Name Resolution?
13. What are communication channels? Discuss various communication channels available for network?

14. Write some advantages and disadvantages of the following?

- (a) Optical Fiber (c) Co-axial cable (e) Twisted Pair wire
(b) Radio Waves (d) Microwave (f) Satellites

15. Discuss & compare various types of networks?

16. Compare and contrast:-

- a. Star & Bus topologies
- b. Star & Tree topologies
- c. Bus & Ring topologies

17. What are hubs? How it is different from switch?

18. Briefly discuss the function of:-

- (a) Repeater (b) Gateway (c) Switch

19. Define Email. What are the advantages of using Email?

20. What do you mean by cookies? Explain different types of cookies.

21. How can you prevent yourself from various threats of network security?

22. What is Web Browser? Name any four Web Browsers.

23. What is the difference between a webpage and Website?

24. Write the difference between Static web Page and Dynamic Webpage.

25. Define VoIP.

26. What is WWW? Write the applications of WWW.

27. Give some examples of domain names and URLs. How is a domain name different from a URL?

28. What is Chatting? Write the difference between chat and email.

29. Write the difference between Plug-ins and add-ons.

30. What do you mean by Web Hosting?