**SET A**

**Subject: IFA**

1. **Tick (*✓*) the correct answers only. 30 X 1=30**
2. What is internet?  
   a) a single network  
   **b)** a vast collection of different networks  
   c) interconnection of local area networks  
   d) none of the mentioned
3. Hub is required in the following topology
4. **Star**
5. Mesh
6. Bus
7. Ring
8. A piece of icon or image on a web page associated with another webpage is called  
   a) url  
   **b)** hyperlink  
   c) plugin  
   d) none of the mentioned
9. What is a web browser?  
   a) a program that can display a web page  
   b) a program used to view html documents  
   c) it enables user to access the resources of internet  
   **d)** all of the mentioned
10. The network layer concerns with  
    a) bits  
    b) frames  
    **c)** packets  
    d) none of the mentioned
11. The data link layer concerns with  
    a) bits  
    **b)** frames  
    c) packets  
    d) none of the mentioned
12. The physical layer concerns with  
    **a)** bit-by-bit delivery  
    p) process to process delivery  
    c) application to application delivery  
    d) none of the mentioned
13. URL stands for  
    a) unique reference label  
    b) uniform reference label  
    **c)** uniform resource locator  
    d) unique resource locator
14. FTP stands for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
15. Frequency Transfer Program
16. **File Transfer Protocol**
17. File Transfer Program
18. none of above
19. Who is making web standard
20. Mozilla
21. Microsoft
22. **The World Wide Web Consortium**
23. Google
24. Which of the following html element is used to break current line?
25. <hr>
26. <break>
27. <br>
28. <b>
29. What is the correct HTML for adding background color?
30. <body background-color= “red”>
31. <body color= “red”>
32. **<body bgcolor= “red”>**
33. All of above
34. Wireless transmission can be done via  
     a) radio waves  
     b) microwaves  
     c) infrared  
     d) **all of the mentioned**
35. The first Network  
    a) CNNET  
    b) NSFNET  
    c) ASAPNET  
    **d)** ARPANET
36. Communication between a computer and a keyboard involves \_\_\_\_\_\_\_\_\_\_\_\_\_\_ transmission  
    a) Automatic  
    b) Half-duplex  
    c) Full-duplex  
    **d) Simplex**
37. Which layer provides the services to user?  
    **a)** application layer  
    b) session layer  
    c) presentation layer  
    d) none of the mentioned
38. The \_\_\_\_\_\_\_ is the physical path over which a message travels  
    a) Path  
    **b)** Medium  
    c) Protocol  
    d) Route
39. A set of rules that governs data communication  
    **a)** Protocols  
    b) Standards  
    c) RFCs  
    d) None of the mentioned
40. Three or more devices share a link in \_\_\_\_\_\_\_\_ connection  
    a) Unipoint  
    **b)** Multipoint  
    c) Point to point  
    d) None of the mentioned
41. HTML stands for  
    a) Hyper Text Makeup Language   
    **b)** Hyper Text Markup Language

c) Hyper Text Marking

d) None of the mentioned

1. Internet is a
2. **Global Network of Computers**
3. Client server
4. Exchange of routers
5. Network of networks
6. VPN stands for
7. Virtual Public Network
8. Viral Private Network
9. **Virtual Private Network**
10. Virtual Path Network
11. Domain for .com means
12. **Communication**
13. Commercial
14. Control
15. HTTP, FTTP, Telnet, DHCP are example of:
16. Physical Layer
17. Network Layer
18. **Application Layer**
19. Transport Layer
20. TCP (host-to-host) falls under which layer of OSI Layer.
21. Network Layer
22. Data Link Layer
23. **Transport Layer**
24. Session Layer
25. Optical Fiber works under the principle of
26. Total internal refraction
27. Total internal reflection
28. **Light**
29. Wave

27.Physical or logical arrangement of network is  
**a)** Topology  
b) Routing  
c) Networking  
d) None of the mentioned

28.Data communication system spanning states, countries, or the whole world is  
a) LAN  
**b)** WAN  
c) MAN  
d) None of the mentioned

29.Expand WAN  
a) World area network  
**b)** Wide area network  
c) Web area network  
d) None of the mentioned

1. Internet works on  
   **a)** packet switching  
   b) circuit switching  
   c) both (a) and (b)  
   d) none of the mentioned
2. Attempt all questions. (5 X 6 = 30)
3. What is computer network? Write advantages of computer network. Explain Star and Mesh Topology with proper diagram.
4. What is Internet and Intranet? Explain LAN, WAN and MAN.
5. Write short notes on:
6. WWW
7. DNS
8. Explain about internet security.

5. What is Internet of Things? Explain with best examples.

6. Distinguish between Internet and Intranet.

7. Explain subnetting and its features.

8. Explain about IPV4 class types.

Attempt all Questions. (20\*2)

1. A. Explain the OSI model along with the applications, devices and protocols related to it. 10
   1. Explain Internet application areas. 10

1. What do you mean by Internet? Explain different types of Internet Connection with their advantages and disadvantages.
2. What is IP address? Explain about IPV4 and IPV6 Classes.