IIT ASSIGNMENT

1. What do you mean by computer software? Explain different types of software in brief.
2. What do you mean by an operating system? Mention its importance.
3. What are the different functions of an operating system? Mention each of them in brief.
4. What do you mean by multiprogramming what is the difference between uniprogramming and multiprogramming?
5. What is time sharing operating system? What is the another name given to it?
6. What are the different computer user interfaces that is used? explain each of them in detail.
7. What is a computer network? What are the different computer architecture that is used in a computer network?
8. What do you mean by networking and its uses.
9. How communication is placed in a computer network and what are the different types of communication medium that is used?
10. What do you mean by a guided media? What are its types and mention the communication medium that it uses.
11. What is unguided media and its types. Explain satellite communication in detail.
12. What do you mean by a topology what are the different types of network topologies that is used in a computer network.
13. What do you mean by switching and what are the different types of switching that is used by a network explain in detail.
14. What do you mean by an OSI model explain the different layers in it in detail.
15. What do you mean by a protocol? What are the different protocols that is used in a computer network?
16. Describe and explain atleast 5 different networking devices.
17. What is an internet? How does it differ from intranet and extranet?
18. What do you mean by TCP/IP? What are the basic requirements in order to connect to the internet?
19. What do you mean by an IP address? What are the different versions of it explain in brief.
20. What is an IOT describe IOT and its importance?

21. What do you mean by cloud computing mention its different types?
22. What do you mean by E-commerce? Explain its uses in today's generation.
23. What do you mean by E-governance? How it is more productive and beneficial to use.
24. When can you call a city a smart city? What are the different technological advancements that are used today?
25. What is GIS? Mention its different components? Explain each of them in detail.
26. What do you mean by a DBMS? What is its importance? mention its applications
27. What are the different architectures of a DBMS ?Explain each one of them in detail.
28. What is Data warehousing? How it can be related to data mining?
29. What do you mean by big data? What are the 3 V's of it explain each of them in detail.
30. What do you mean by multimedia? What are its different elements? Explain animation in detail.
31. What do you mean by computer security? What are the different types of security? Why is it required?
32. What do you mean by threat? What are the different types of security attacks explain any 5 of them in brief.
33. Write short notes on:
    a. Cryptography b. Digital signature   c.IDS   d. Security awareness

    e. security policy   f. Authentication   g. Authorization