BT 205 (Basic Computer Engineering)
Important Questions

1. Explain the organization of computer writing function of each component of draw diagram for it.
2. What is Software? Discuss System software Vs Application software.
3. What is Memory? Explain all type of memory.
   Or
   Explain different computer memories RAM, ROM, Cache and Hard disk in detail.
4. What is Operating System? Explain its types also.
   Or
   Explain the difference between Widnows and Linux.
5. Distinguish between OSI-OSI Model and TCP/IP.
   Or
   Write a short note on TCP/IP.
   Or
   What is ISO-OSI Model? Explain the working of each layer.
6. Explain the following:
   (a) Firewall
   (b) Email Spoofing
   (c) Logic Bombs
   (d) Phishing
   (e) DoS (Denial of Service)
7. What is Virus? Explain the difference between Virus and Trojan.
8. What is Cloud Computing? Explain its types also.
   Or
   Explain IaaS, PaaS and SaaS.
   Or
   Explain Public, Private and Hybrid Cloud.
9. What is OOPS (Object Oriented Programming)? Explain the features of OOPS.
   Or
   What is Inheritance? Explain the types also.
   Or
   Write a program to demonstrate single inheritance.
10. Write a program to demonstrate if-else.
    Or
    What are Control Statements? Discuss with example.
    Or
    Write a short note on if-else statement.
11. What is Friend Function? Explain it with suitable example.
12. What is an array? What are different types of array?
13. What is loop? Explain the syntax of various types of loops.

14. What is Constructor? Explain its types also.
15. What is the use of Destructor? Explain with example.
16. Write a short note on MS WORD, MS EXCEL and MS POWERPOINT.
17. What is DBMS? Explain the different models of DMBS.

    Or

    Distinguish among File System, Hierarchical, Network and RDBMS.

    Or

    Explain RDBMS.
18. Explain DDL and DML commands with suitable examples.

    Or

    Write a short note on Create, Drop, Alter, Grant and Revoke Commands.

    Or

    Write a short note on Insert, Delete, Update and Select Commands.
19. Explain different types of networking devices.

    Or

    Explain following:
    (a) Switch
    (b) Router
    (c) Bridge
    (d) Hub
20. Explain the use of computer in field of Metrology, Climatology, Multimedia and Animation.

    Or
21. Write a short note on of Metrology, Climatology, Multimedia and Animation.
22. What is the difference between algorithm and Program?