

449

045/21

Total Number of Questions : 32

Time : 3.00 Hours

Max. Marks : 200

1. Explain the benefits of cloud computing. (2 Marks)
2. Define logic gates. (2 Marks)
3. List the various applications of wireless LANs. (2 Marks)
4. Explain about cache memory. (2 Marks)
5. Define aspect ratio. (2 Marks)
6. What is a computer virus ? Explain with example. (4 Marks)
7. Write a short note on : (4 Marks)
  - i) Sequential access.
  - ii) Random access.
8. Write the main difference between XML and HTML. (4 Marks)
9. Define artificial intelligence. What are the advantages of artificial intelligence ? (4 Marks)
10. What do you mean by divide and conquer method ? Explain with example. (4 Marks)
11. What is peer to peer technology ? (5 Marks)
12. Explain data mining. (5 Marks)
13. Explain the term URL with example. (5 Marks)
14. What do you mean by stream cipher and block cipher ? Explain with example. (5 Marks)
15. Where to use class diagrams ? (5 Marks)
16. What is root account configuration in Linux ? (5 Marks)
17. Compare TCP and UDP protocol. (5 Marks)
18. What is the difference between transportation problem and assignment problem with example ? (7 Marks)
19. Differentiate between analog and digital signals with example. (7 Marks)
20. What are the different levels of software testing ? (7 Marks)
21. Explain the concept of polymorphism in object oriented programming. (7 Marks)
22. What is an argument ? Write the relationship between formal argument and actual argument with example. (7 Marks)
23. What do you mean by storage classes ? Explain any 3 storage classes with example. (10 Marks)
24. Discuss the structure of 8086 microprocessor. (10 Marks)
25. What is disk scheduling ? Explain any two disk scheduling algorithms. (10 Marks)
26. Explain DDA line drawing algorithm. (10 Marks)
27. Discuss Diffie-Hellman key exchange algorithm. (10 Marks)
28. Explain different types of inheritance in Java with example. (10 Marks)
29. Distinguish between system software and application software. (10 Marks)
30. What is a stack ? Write an algorithm to convert an expression from infix to postfix form. (10 Marks)
31. Explain linear regression. How simple linear regression differs from multi linear regression ? (10 Marks)
32. Explain fault prevention in IoT. (10 Marks)