



Computer Science – Terminal Exam

Class: XI
Date: 26-07-19

Marks :70
Time : 3hrs

Section - A

I. Fill in the blanks

(10X1=10)

1. The electronic components of a computer system that we can see and touch are called _____.
2. _____ is a general term used for computer programs that control the operations of the computer.
3. _____ assist in running application programs and are designed to control the operation of a computer system.
4. _____ acts as an interface between the user and the computer hardware.
5. _____ type of scheduling technique is also known as Time Sharing Scheduling.
6. _____ stores general information about files like filename, type (text or binary), size, starting address and access mode.
7. _____ have two or more processors for a single running process.
8. _____ is a free and open software which means it is freely available for use and since its source code is also available so anybody can use it, modify it and redistribute it.
9. _____ is an Indian distribution of GNU/Linux.
10. The special translator system software that is used to translate the program written in high-level language into machine code is called _____.

II. Answer the following

11. Write the flow chart for types of software. (2)
12. Define operating system (2)
13. Explain in detail about the Functions of OS (6)
14. What are the types of OS? Explain. (6)
15. What is Language Processors? Explain its types (4)
16. Define Virus and explain the types of virus (5)

17. What is Application Software?

List few General Purpose and Customized Software. (3)

18. Define Shareware and Free Software (2)

19. What does ASCII stand for? How many characters it can represent? (2)

20. Which digits are used in Hexadecimal number system? (2)

II. Do as directed :

(13X2=26)

21. Convert the Decimal number 971 to its Binary equivalent.

22. Convert Binary number 1011101.1001 to its decimal equivalent

23. Convert Octal number 331.7 into its Binary equivalent

24. Convert the Hexadecimal number 3AC into its Binary equivalent

25. Convert the Binary number 1001010.0101 to its Hexadecimal equivalent

26. Convert the Decimal number 545 into Octal number.

27. Convert the Decimal number 792 into Hexadecimal number.

28. Convert the Hexadecimal number ACF.C into Octal number.

29. Convert the Octal number 586 to Decimal.

30. Convert the Hexadecimal number A5D2 to Decimal.

31. Give the ones and twos complement of the given number 94.

32. Give the ones and twos complement of the given number 572.

33. Convert the Decimal number -501 to its Binary equivalent.