



BE GOOD

DO GOOD

OM SADHANA CENTRAL SCHOOL

PERIODIC TEST -I

MARKS : 70

SUBJECT :COMPUTER SCIENCE

DURATION : 3.00 Hrs.

CLASS :XI

I.VERY SHORT ANSWER: -

15x1=15

1. What does a cross platform language means?
2. Define punctuator.
3. What do you understand by string slices?
4. What would following expression return?
"hello world".isalnum()
5. Identify and write the name of the module to which the following functions belongs:
i)floor() ii) randint()
6. What is the significance of break and continue statements?
7. What is the role of these functions?
i) lstrip() ii) capitalize()
8. What do you understand by term 'immutable'?
9. What is the use of range() function?
10. How is capitalize() function different from upper() function?
11. What is the difference between an error and exception?
12. Why are lists called mutable types?
13. Find the output of the following:
A=[12,34,56,98,'hello']
print(-7:4)
14. How are individual elements of dictionaries accessed?
15. How is clear() function different from del<dict> statement?

II. SHORT ANSWER: -

17x2=34

16. What is the difference between interactive mode and script mode in python?
17. How can you create multi-line strings in python?
18. Predict the output of the following:
x, y = 7, 12
x, y, x = x+4, y+2, x+12

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print (x, y)
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19. What is the difference between implicit type conversion and explicit type conversion?

20. What do you understand the following:

(i) pow() (ii) fabs()

21. Write a python program to print sum of natural numbers between 1 to 10.

22. Why is while loop called an entry controlled loop?

23. What is the role of these functions?

(i) isalnum() (ii) isalpha()

24. Differentiate between a syntax error and a semantics error.

25. What is the role of these methods?

(i) index() (ii) extend()

26. How are lists different from strings when both are sequences?

27. Write a program to find the second largest number of a list of numbers.

28. How can you say that a tuple is an ordered list of objects?

29. How is indexing of a dictionary different from that of a list or a string?

30. What is the role of these methods?

(i) keys() (ii) items()

31. Consider the following unsorted list: 95, 79, 19, 43, 52, 9. Write the passes of bubble sort for sorting the list in ascending order till the 5th iteration.

32. Differentiate between mutable and immutable objects in python language with example.

III. LONG ANSWER:-

3x3=09

33. What is the function of operators? What are identity operators? Give their examples.

34. Write a python program to take year as input and check if it is a leap year or not.

35. Write a program to find sum of the series: $s = 1+x+x^2+x^3 \dots+x^n$.

IV. VERY LONG ANSWER:-

3x4=12

36. When do these exceptions occur?

(i) Type Error (ii) Index Error (iii) Name Error

37. What do you understand the following methods?

(i) Count() (ii) Tuple() (iii) len()

38. Write a python program that reads a string and checks whether it is a palindrome string or not.