



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST - 2
Class : XI

Subject: Computer Science
Date :24-09-2022

MM :70
Time: 3 Hrs.

General Instructions:

1. There are 40 questions in this question paper. All questions are compulsory.
2. Q.No. 1 to 5 are short answer questions and carry 1 mark each.
3. Q.No. 6 to 26 are multiple choice question and carry 1 mark each.
4. Q.No 27 to 30 are find errors and short answer question and carry 2 mark each.
5. Q.No 31 to 37 are find output and short answer question and carry 3 mark each.
6. Q.No 38 to 40 are Writing programs and carry 5 mark each.
7. There is no overall choice.

1. Is Python case-sensitive? (1)
2. Which character is used to indicate comment line in python? (1)
3. How many types of string are supported in python? (1)
4. What is the purpose of 'else' in a loop? (1)
5. What do you understand by sting slicing in python? (1)
6. What will be the value of the following Python expression? $4 + 3 \% 5$ (1)
(A) 7 (B) 2 (C) 4 (D) 1
7. Which of the following is used to define a block of code in Python language? (1)
(A) Indentation (B) Key (C) Brackets (D) All of the mentioned
8. What will be the output of the following Python code? (1)

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)
    i += 1
```


(A) 1 2 3 (B) error (C) 1 2 (D) none of the mentioned
9. What is the order of precedence in python? (1)
(A) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
(B) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
(C) Parentheses, Exponential, Multiplication, Division, Subtraction, Addition
(D) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
10. Which of the following is true for variable names in Python? (1)
(A) underscore and ampersand are the only two special characters allowed
(B) unlimited length
(C) all private members must have leading and trailing underscores
(D) none of the mentioned
11. What is the maximum possible length of an identifier in Python? (1)
(A) 79 characters (B) 31 characters (C) 63 characters (D) none of the mentioned
12. What will be the output of the following Python code? (1)

```
x = 'abcd'
for i in x:
    print(i.upper(),end=' ')
```


(A) a B C D (B) a b c d (C) error (D) A B C D

13. What is the output of the following code fragment ? (1)
- ```
a=2**(3**2)
b=(2**3)**2
c=2**3**2
print(a,b,c)
```
- (A) 512 64 512 (B) 512 512 512 (C) 64 512 64 (D) 64 64 64
14. What will be the output of the following Python code snippet? (1)
- ```
for i in "Ahmedabad"[5:3:-1]:
    print (i, end=' ')
```
- (A) error (B) a d (C) d a (D) none of the mentioned
15. Which one of the following is not a keyword in Python language? (1)
- (A) pass (B) eval (C) assert (D) nonlocal
16. What will be the output of the following Python code? (1)
- ```
print("abc. DEF".capitalize())
```
- (A) Abc. def (B) abc. def (C) Abc. Def (D) ABC. DEF
17. Which one of the following is the use of function in python? (1)
- (A) Functions don't provide better modularity for your application  
 (B) you can't also create your own functions  
 (C) Functions are reusable pieces of programs  
 (D) All of the mentioned
18. What will be the output of the following Python program? (1)
- ```
i = 0
while i < 5:
    print(i, end=' ')
    i += 1
    if i == 3:
        break
else:
    print(0)
```
- (A) error (B) 0 1 2 0 (C) 0 1 2 (D) none of the mentioned
19. What will be the output of the following Python code? (1)
- ```
x = 'abcd'
for i in range(len(x)):
 print(i, end=' ')
```
- (A) error (B) 1 2 3 4 (C) a b c d (D) 0 1 2 3
20. What will be the output of the following Python expression? (1)
- ```
print(round(4.576))
```
- (A) 4 (B) 4.6 (C) 5 (D) 4.5
21. What will be the output of the following Python code? (1)
- ```
print("Anandalaya".endswith("ya"))
```
- (A) 1 (B) True (C) False (D) 8
22. What will be the output of the following Python code? (1)
- ```
string = "my name is x"
for i in string:
    print (i, end=", ")
```
- (A) m, y, , n, a, m, e, , i, s, , x, (B) m, y, , n, a, m, e, , i, s, , x
 (C) my, name, is, x, (D) error
23. What arithmetic operators cannot be used with strings in Python? (1)
- (A) * (B) - (C) + (D) All of the mentioned

24. What will be the output of the following Python code? (1)
- ```
def cube(x):
 return x * x * x
print (cube(3))
```
- (A) 9 (B) 3 (C) 27 (D) 30
25. What will be the output of the following Python code? (1)
- ```
for i in range(10):
    if i == 5:
        break
    else:
        print(i , end=' ')
else:
    print("Here")
```
- (A) 0 1 2 3 4 Here (B) 0 1 2 3 4 5 Here (C) 0 1 2 3 4 (D) 1 2 3 4 5
26. What will be the output of the following Python code? (1)
- ```
if (9 < 0) and (0 < -9):
 print("hello")
elif (9 > 0) or False:
 print("good")
else:
 print("bad")
```
- (A) error (B) hello (C) good (D) bad
27. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
- ```
250 = Number
WHILE Number<=1000:
    if Number=>750
        print (Number)
        Number=Number+100
    else
        print( Number*2)
Number=Number+50
```
28. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
- ```
Val = int(input("Value:"))
Adder = 0
for C in range(1:Val:3)
 Adder+=C
 if C%2=0:
 Print (C*10)
 Else:
 print (C*3)
print (Adder)
```
29. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
- ```
Value=30
for VAL in range(0,Value)
    If val%4==0:
        print (VAL *4)
    elseif val%5==0:
        print (VAL+3)
    else
        print(VAL+10)
```

30. What is function ? How is it useful? (2)
31. What will be the output produced by the following code fragment? (3)
- ```

Msg1="WeLcOME"
Msg2="FriEnD"
Msg3=""
for I in range(0,len(Msg2)+1):
 if Msg1[I]>="A" and Msg1[I]<="M":
 Msg3=Msg3+Msg1[I]
 elif Msg1[I]>="N" and Msg1[I]<="Z":
 Msg3=Msg3+Msg2[I]
 else:
 Msg3=Msg3+"*"
print (Msg3)

```
32. What will be the output produced by the following code fragment? (3)
- ```

def fun(s):
    k=len(s)
    m= ""
    for i in range(0,k):
        if s[i].isupper():
            m=m+s[i].lower()
        elif s[i].isalpha():
            m=m+s[i].upper()
        else:
            m=m+'$'
    print(m)
fun('school@anand')

```
33. What will be the output produced by the following code fragment? (3)
- ```

def Change (P, Q = 30) :
 P = P + Q
 Q = P - Q
 print (P,"@",Q)
 return P
R =150
S= 100
R=Change(R, S)
print(R,"@",S)
S=Change (S)

```
34. Write the output of the following code (3)
- ```

str = "Python a programming Language"
print( str [3 : 18])
print ( str[ 2 : 14 : 2])
print( str [ : 8 ])

```
35. Differentiate between **for** and **while** loop taking appropriate example. (3)
36. List any three string functions with its usage. (3)
37. Explain the concept of index with reference to string in python , also explain the concept of negative indexing by taking an example. (3)
38. Write python program to read the value of N and display sum of the following series. (5)
- Sum=1 +2 +3 +4 N
39. Write a python program to read a line of text and display all the words that starts with 'T'. (5)
40. Write a python program that declares function Ecrpt() that takes string as parameter and return the converted string where each uppercase character is converted to its lowercase and each lowercase character is converted to its uppercase. (5)