



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST -1
Class: XI

Subject: Computer Science (083)
Date :20-07-2024

MM : 40
Time: 1Hr. 30 min.

General Instructions:

1. There are 17 questions in this question paper. All questions are compulsory.
2. Q. No. 1 to 5 are multiple choice questions and carry 1 mark each.
3. Q. No. 6 to 10 are do as directed and carry 2 mark each.
4. Q. No. 11 to 15 are Predicting and carry 3 marks each.
5. Q. No. 16 and 17 are writing program and carry 5 marks.

1. Identify the valid arithmetic operator in Python from the following: (1)
(A) ? (B) < (C) ** (D) and
2. Find the invalid identifier from the following: (1)
(A) name (B) break (C) section (D) class11
3. What will be the value of the expression? $14 + 13 \% 15$ (1)
(A) 14 (B) 27 (C) 12 (D) 0
4. Which value type does input() return ? (1)
(A) Boolean (B) String (C) Integer (D) Float
5. What will be the output generated by the statement: `print((2 + 3) * 5 // 4 + (4 + 6) / 2)` (1)
(A) 13.0 (B) 11 (C) 11.0 (D) 10.0
6. What are tokens in Python? How many types of tokens are allowed in Python? Exemplify your answer. (2)
7. What are operators? What is their function? (2)
8. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
No is 20
For i in range[1 , No] :
 if i=<7
 print (No)
 No=No+100
 else:
 print(No*5)
9. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
x=integer(input('Enter 1 or 10'))
if x==1:
for x in range(1,11):
 Print(x)
Else:
 for x in range(10,0,-1):
 print(x)

10. Find output generated by the following code: (2)
- ```
x="Phosphenes"
print(x[:2],x[:-2],x[-2:])
print(x[6],x[2:4])
print(x[2:-3],x[-4:-2])
```
11. Write short note on Hexadecimal number system. (3)
12. Explain the syntax of while loop, by taking appropriate example. (3)
13. What will be the output produced by the following code fragment? (3)
- ```
x=45  
for i in range(50):  
    print(i,"->",x)  
    if i%3 == 0:  
        break  
print(x)
```
14. What will be the output produced by the following code fragment? (3)
- ```
x = 'one'
y = 'two'
counter = 0
while counter < len(x):
 print(x[counter], y[counter])
 counter += 1
```
15. Express the following decimal numbers into equivalent octal numbers. (3)
- (A) 94                      (B) 35                      (C) 27
16. Write python program to display first 10 odd numbers. (5)
17. Write python program to display area of rectangle. (5)