

Sample Paper-II
APRIL MONTHLY TEST 2019-20
CLASS-XII, SUBJECT: COMPUTER SCIENCE

Time- 1 Hr. 30 mins.

MM- 35

- Q1 (a) Name the Python Library module which needs to be imported to invoke the following function – 1
(i) lower() (ii) sin()
- (b) What is string slice? How is it useful? 2
- (c) Differentiate between Run-time error and Logical error. Explain giving example. 2
- Q2 (a) What is the difference between local and global variables? Explain giving example. 2
- (b) Rewrite the following Python code after removing all syntax errors. Underline each correction done in the code – 2
Num = int("Enter any Number : ")
Sum = 0
for I in range (10, Num, 3)
 Sum+=i
 if i%2==0:
 print i*2
 Else:
 print i*3
- (c) Consider the following function calls with respect to the function definition. 3
Identify which of these will cause an error and why?
def calculate(a,b=5,c=10):
 return a*b-c
- i) calculate(12,3)
ii) calculate(c=50,35)
iii) calculate(20, b=7, a=15)
iv) calculate(x=10,b=12)
- Q3 (a) Can a function return multiple values? Justify giving example. 2
- (b) Predict the output of the following code fragment – 2
def wish(message, num=1):
 print(message * num)
wish('Good',2)
wish("Morning")
- (c) Find and write output of the following – 3
val=[20,"A",40,"K",10,"H"]
req=0
sum=0
cat=""
for i in range(1,6,2):
 freq = freq + i

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sum = sum + val[i-1]
cat= cat+val[i] + '*'
print(freq, sum, cat)
```

- (d) Predict the output of the following code fragment –

3

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def display(x=2,y=3):
    x=x+y
    y += 2
    print(x,y)
display()
display(5,1)
display(9)
```

- Q4 (a) Write a function that receives two numbers and generates a random number from that range and prints it. 2
- (b) Write a function that takes a positive integer and returns the ones position digit of the integer. E.g. if the integer is 432, then the function should return 2. 3
- (c) Write a program having a function that takes a number as argument and calculates cube for it. The function does not return a value. If there is no return value passed to the function in function call, the function should calculate cube of 2. 3
- (d) Write a program in Python that reads a date as an integer in the format MMDDYYYY. The program will call a function that prints out the date in the format <Month Name> <Day>, <Year>. 5
Eg – If the date entered is – 12252019
Then the output should be – December 25, 2019

-----All the Best-----