



SHREE VALLABH ASHRAM'S MCM KOTHARI INTERNATIONAL GIRLS'
RESIDENTIAL SCHOOL, KILLA PARDI
PERIODIC TEST I - 2018-19

CLASS XI

COMPUTER SCIENCE
18/07/18

M.M 50; TIME 3HRS

Programming Language: Python

Question Paper divided into 3 sections... viz.

Section A contains 15 marks

Section B contains 15 marks

Section C contains 20 marks (Programming)

SECTION A(15 MARKS)

- Q1. When was Python released? 1
- Q2. What is cross platform software? 1
- Q3. What are the advantages of Python Programming Language? 2
- Q4. Define Computer. 1
- Q5. Python is free and open source language? 2
- Q6. Define Python Shell? 1
- Q7. Which of the following are not valid strings in Python?
a) " Hello " (b) ' Hello ' (c) " Hello ' (d) ' Hello " 1
- Q8. What do you understand by block/code block/suite in Python? 2
- Q9. What would the following code do: X=Y=7 1
- Q10. Find out the errors in following code fragment: 2
(i) temperature=90
print temperature
(ii) print("X=",X)
- Q11. What do you mean by Name Error? 1

SECTION B (15 MARKS)

- Q12. Define 2
(i) Token
(ii) Identifier
- Q13. What will be the output of the following: 1
(i) side=int(input("side")) #side given as 7
area=side*side
print(size,area)
(ii) First =2 2
Second=3
Third=first+second
Print(first,second,third)
First=first+second+third
Third=second+first
Print(first,second,third)

- Q14. Can nongraphic characters be used in Python? Give examples to support your answer 2
- Q15. What will be the output of the following? 2
`X,Y=20,50`
`Y,X,Y=X,Y-10,X+10`
`print(X,Y)`
- Q16. Find out the errors in the following code fragment: (the input entered is XI) 2
- (i) `C=int(input("ENTER YOUR CLASS"))`
`print("YOUR CLASS IS",C)`
- (ii) `a,b,c=2,3,4`
`a,b,c=a*a, a*b, a*c`
`print(a,b,c)`
- Q17. What will be returned by Python as result of the following statements: 4
- (i) `>>>type(int(1.0))`
(ii) `>>>type(3/2)`
(iii) `>>>type(1.0)`
(iv) `>>>type("Hello")`

SECTION C(20 MARKS) - PROGRAMMING

- Q18. Write a program in Python to find out the area of circle. (**$area=3.14*radius*radius$**) 3
- Q19. Write a program in Python to find the simple interest based on the value of principal, rate and time. (**$Hints. simple_interest=(amount*rate*time)/100$**) 3
- Q20. Describe functional components of computer system with the help of diagram. 5
- Q21. Write a program in Python to convert Fahrenheit amount to Celsius. 3
(Hints. $C = (F-32) \times 5/9$)
- Q22. Write a program in Python to find the value of $K=(a+b)/(c+d)$. 3
- Q23. Write a program to read a number n and print n^2, n^3 and n^4 3