

SAMPLE PAPER-II  
PERIODIC TEST 1 2018  
Informatics Practices (XI)

MM: 50

TIME: 1:30 HRS

Q.1	a)	Name the functional blocks of a digital computer.	2
	b)	Write two functional units of a CPU.	1
	c)	What is an Operating System?	1
	d)	Arrange the following memory elements in the ascending order of their capacity: i) ROM ii) RAM iii) Hard Disk iv) DVD ROM	2
	e)	Name two popular operating system used in mobile phones.	2
	f)	Name the standard input and output devices for a digital computer?	1
	g)	What is the difference between a calculator and a computer?	1
Q.2	a)	What is a keyword in python programming language? Give two examples of python keywords.	2
	b)	Which of the following are valid variable names: i) 10thdegree ii) true iii) _init iv) My.name	2
	c)	What will be the output of the following operations: i) print("Suraj"*3) ii) print(10+5**2/5-5) iii) print(20<10 or 40>20) iv) print(20 // -3)	4
	d)	Write the print() function to display the following: India is my "Country"	2
Q.3	a)	Convert the following arithmetic expression in to equivalent python expressions: i) $\frac{\sqrt{a+b}}{c^3+d^3}$	2
	b)	What are python comments? Which character is used to determine the beginning of a python comment?	2

	c)	Write a python statement to acquire a float value from a user and assign it to variable num.	1
	d)	What will be the output of the following python program? a,b = 10, 20 a,b = b,a print(a,b)	1
	e)	Write a python program to find the simple interest using input from user.	3
	f)	Write a python program to find the area of a triangle using Heron's formula $s = \frac{a+b+c}{2}$ $\text{area} = \sqrt{s(s-a)(s-b)(s-c)}$	3
	g)	Write a python program to find the area and perimeter of a rectangle	3
Q.4	a)	Write a python program to check for voting age eligibility of a person	3
	b)	Write a python program to acquire marks for a student (out of 100). The program should display Pass if marks are greater of equal to 33 or else should display Fail.	3
	c)	Write a python program to print the largest of three numbers.	4
	d)	Write a program to sort three input numbers	3
	f)		