

Indian School Al Wadi Al Kabir

Assessment 1 INFORMATICS PRACTICES (Code: 065)

Class : XI Time: 3 Hours
Date : 29/09/2022 Max. Marks : 70

General Instructions:

- The question paper is divided into 3 sections A, B and C
- Section A, consists of 14 questions (1-14). Each question carries 2 marks.
- Section B, consists of 6 questions (15-20). Each question carries 3 marks.
- Section C, consists of 6 questions (21-26). Each question carries 4 marks.

		Section –A	I I		
		Each question carries 2 marks			
	Part	Question	Marks		
Q. No.	No.	Question	Iviarks		
1	(a)	Identify the invalid identifiers from the following and write the reason(s):	(1)		
_	(a)	a) Price20 b) 3Rate c) Max\$Mark d) _isMarried	(1)		
	(b)	Identify the odd one out from the following: a) and b) or c) == d) not	(1)		
2	(a)	Identify the Odd one out from the following:			
		a) monitor b) speaker c) Mouse d) printer			
	(b)	The concept was a general purpose programmable	(1)		
		machine that was capable to solve any problem by executing the program			
		stored on the punched cards.			
3		What is a Memory Unit? Write any two units for measuring the memory			
		size.	(2)		
4		Define: Operating System. Also write any 2 popular operating systems.			
5		What is secondary memory? Write any 2 examples of secondary memory.	(2)		
6		Write a short note on Free and Open Source Software and Proprietary Software			
7		Identify errors in the following code (if any) and correct the code by			
		underlining each corrections.			
		N= INT(input("Enter a Number?")) #Line 1			
		for K in Range (10, 60, 15) #Line 2			
		print("K = ",K) #Line 3			
		Print("Last K Value = ", K) #Line 4			
8		How many times the following loop will executes?			
		I, J, K = 30, 55,10 for L in range(I,J,K):			
		print("L = ", L)			
		print(I * K)			
9		Define Tokens and write the examples with the various types of tokens.			
10		Evaluate the following expressions:			
		i) 15+4*10+20/4	(2)		
		ii) (30+20) *2			
		iii) 40 + (10-5) // 10			

		iv) 5+3-40*3//2**3			
11		Evaluate the following expressions:	(2)		
		If the values are A=True , B=False , C=True	(-/		
		a) A or B and (not C)			
	b) not A and B or C				
		c) A and B and not C			
12		Write a Python program that reads a distance in centimeters, convert and			
		print it in form : Meters and Centimeters.			
	For example if centimeters = 430				
		Output should be – 4 Meters and 30 centimeters.			
13		Identify the error in the following code and rewrite the correct code with	(2)		
15		underlining each corrections.	(2)		
		L = Int(input())			
		M = int(INPUT())			
		\ '''			
		N = int(input())			
		if (L < M and L < N)			
		print("L is minimum")			
		elif (M < N):			
		print(" M in minimum")			
		ELSE:			
		print("N is minimum")	(0)		
14		Identify the error in the following code and rewrite the correct code with	(2)		
		underlining each corrections.			
		Key = Eval(input())			
		if Key%10 = 0:			
		print(Key*5)			
		else			
		PRINT(Key*3)			
		SECTION – B			
15	(a)	Each question carries 3 marks What will be the output of the following code segment?	(2)		
13	(a)	b = $50 + int (10 + 6/3)$	(2)		
		c = 50 + float (10 + 6 // 3)			
		, , , ,			
	/b\	print(b, c)	(1)		
	(b)	What will be the output of the following code? P = 75	(1)		
		P = 75 P , Q = P + 25 , P + 50			
		1 ' '			
		print(P, end='#')			
1.0		print(Q) Write the output of the following sode fragment if	1/21		
16		Write the output of the following code fragment if	`(3)		
		i) value of C=25 ii) value of C =10 iii) value of C=30			
		C=int(input("Enter the value of C?"))			
		if(C%10 == 0):			
		Ans=C*8			
		else:			
		Ans=C**2			
4-		print("Answer = ",Ans)	(0)		
17		Write the output of the following code fragment if value of Billamt=600	(3)		
		Billamt=int(input("Enter the Bill Amount? "))			
		if(Billamt < 500):			

		discount = Billamt * 10 / 100		
		elif(Billamt<1000):		
		discount = Billamt * 8 / 100		
		elif(Billamt<1500):		
		discount = Billamt * 5 / 100		
		else:		
		discount = Billamt * 2 / 100		
	netamt = Billamt - discount			
		print("Discount = ",discount)		
		print("Net Amount Payable = ",netamt)		
18		Write the output of the following code fragment if	(3)	
		i) value of D=60 ii) value of D =20 iii) value of D=175		
		D=int(input())		
		if(D < 50):		
		D = D + 100		
		elif(D<100):		
		D = D + 200		
		elif(D<150):		
		D = D + 300		
		else:		
		D = D + 500		
		print("Result = ",D)		
19		Find the output of the following code.	(3)	
		A, B, C = 20,50,15		
		D = 0		
		for K in range(A, B, C):		
		D = D + B		
		print("Result = ", D)		
20		Find the No. times the following loops executes:	(3)	
	(i)	for K in range(11,15):		
		print(K)		
	(ii)	for I in range(5, 20, 5):		
		print(I, end=" \t")		
	(iii)	for J in range(200, 100, -50):		
		print(J, end="\n")		
		Section C		
		Each question carries 4 marks		
21	(a)	Write a program to input sale amount achieved by a salesman, calculate	(2)	
		and display his / her commission amount (20% of sale amount).		
	(b)	Write a program to find and display area of a rectangle.	(2)	
		Area = length X breadth		
22	(a)	Write a program to input a number N and check it is divisible by 5 or not	(2)	
		using ifelse statement:.		
	(b)	Write a program to input a number DATA and check it is odd or even.	(2)	
23		Write a Python program to input basic salary of an employee and calculate	(4)	
23		i e e e e e e e e e e e e e e e e e e e	1	
23		the Special Incentive based on the following criteria: (use ifelifelse statement)		

	Basic Salary	Special Incentive			
	Less than 10000	15 % of Basic Salary			
	Between 10000 and 19999	25 % of Basic Salary			
	Between 20000 and 49999	35 % of Basic Salary			
	Otherwise	50 % of Basic Salary			
24	Write a Python program to	Write a Python program to input a Number and display the result based on			
	the following criteria:				
	(use ifelifelse statement)				
	Number	Output			
	More than 200	Number is More than 200			
	151 - 200	Number is between 151 and 200			
	101 - 150	Number is between 101 and 150			
	51 - 100	Number is between 51 and 100			
	Otherwise	Number is 50 and Less			
25	Write a program to display all the multiples of 4 in the range 10 – 50 using		(4)		
	for loop.				
	12,16,20,24,,48				
26	Write a program to display	the sum of the following series:	(4)		
	1 + 3 + 5 + + 25				

All the Best