



Indian School Al Wadi Al Kabir

Assessment 1

COMPUTER SCIENCE (Code: 083)

Class : XI

Date : 29/09/2022

Time: 3 Hours

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			
Each question carries 2 marks			
Q. No.	Part No.	Question	Marks
1	(a)	Identify the valid identifier(s) from the following: a) 6Rate b) Amount3 c) Exchange\$Rate d) _isAvailable	(1)
	(b)	Identify the odd one out from the following: a) not b) ** c) AND d) //	(1)
2	(a)	Identify the Odd one out from the following: a) monitor b) printer c) Joystick d)plotter	(1)
	(b)	Define : Nibble and Byte	(1)
3		Define: Bus and also write the types of Bus in a computer architecture.	(2)
4		Define: Assembler and Compiler.	(2)
5		Expand and define: ASCII, ISCII and Unicode.	(2)
6		Differentiate RAM to ROM with at least 3 points.	(2)
7		Identify errors in the following code (if any) and correct the code by rewriting it with corrections. Points = INT(input("Enter Starting Point: ")) #Line 1 For J in range (50, 500, 50) #Line 2 Points = Points + J #Line 3 print("Final Point Achieved = ' , Point) #Line 4	(2)
8		How many times the following loop will executes? X, Y, Z = 100, 175, 500 for K in range(X, Y, 15) : Z += X print("Z = ", Z) print("Final Value of Z = ", Z)	(2)
9		Define: Literals and explain the types of literals with example.	(2)
10		Evaluate the following expressions: i) 20+15*3+10/2 ii) (10+20) *4 iii) 30 + (7-2) ** 2 // 50 – 6* 4 iv) 40+ 10 – 25 * 4 // 2 ** 5	(2)

11		Evaluate the following expressions: If the values are X=False , Y=True , Z=True a) X and Y or (not Z) b) not X or Y and Z c) Y or Z and not X d) Z and Y or X and not Z	(2)
12		Write a Python program that reads a number of Minutes and print it in form : Hours : Mins. For example if Minutes = 150 Output should be – 2 Hours : 30 Mins.	(2)
13		Identify the error in the following code and rewrite the correct code with underlining each corrections. x = int(input()) # Line 1 y = int(INPUT()) # Line 2 z = int(input()) # Line 3 if (x > y and x > z): # Line 4 print("X id maximum") # Line 5 Elif (y > z) # Line 6 print("Y id maximum") # Line 7 ELSE: # Line 8 print("Z id maximum") # Line 9	(2)
14		Identify the error in the following code and rewrite the correct code with underlining each corrections. for J IN Range(201,250): IF J % 6 == 0 print(J) else: Print(J*10)	(2)
		SECTION – B Each question carries 3 marks	
15	(i)	What will be the output of the following code segment? z = 30 + float (25 + 3 / 4) w = 30 + int (25 + 3.0 / 4.0) print(z, w, sep = ' & ')	(2)
	(ii)	What will be the output of the following code? x = 100 x , y, x = x + 50 , x + 25, x * 4 print(x, end='@') print(y)	(1)
16		Write the output of the following code fragment if i) value of M=35 ii) value of M =40 iii) value of M=80 M=int(input("Enter the value of M ? ")) N=5 if(M%8 == 0): Res=N*M else: Res=N**4 print("Value of R = ",Res)	(3)

		<p>First five days : Rs. 1.5 per day. Six to ten day : Rs. 3.0 per day. Eleven to Fifteen day : Rs. 4.0 per day. Above Fifteen days : Rs. 5.0 per day</p>	
24		<p>Write a Menu driven program to perform the given operations using if..else statement:</p> <ol style="list-style-type: none"> 1. To Check the given No. is odd or even 2. To check the given No. is divisible by both 3 and 4. 3. Invalid Choice. 	(4)
25		<p>Write a Menu driven program to perform the given operations using for loop:</p> <ol style="list-style-type: none"> 1. To display factors of a given no. N. 2. To display factorial value of a given no. M. 3. Invalid Choice. 	(4)
26		<p>Write a Menu driven program to perform the given operations using for loop:</p> <ol style="list-style-type: none"> 1. To sum the following series: $2 + 5 + 8 + 11 + \dots + 20$ 2. To sum the following series: $x + x^2 / 2 + x^3 / 3 + \dots + x^n / n$ 3. Invalid Choice. 	(4)

All the Best