**Indian School Al Wadi Al Kabir**

**Assessment– I**

**COMPUTER SCIENCE (Code: 083)**

**SET- I**

CLASS : XI Max. Marks:70

Date : 29/09/2024 Time: 3 hours

***General Instructions*:**

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A has 21 questions carrying 01 mark each.
4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
5. Section C has 03 Short Answer type questions carrying 03 marks each.
6. Section D has 04 questions carrying 04 marks each.
7. Section E has 02 questions carrying 05 marks each.
8. All programming questions are to be answered using Python Language only.

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|  | **SECTION A** |  |
| 1. | C : Projector | 1 |
| 2. | A : Non – volatile memory | 1 |
| 3. | C : Both a and b | 1 |
| 4. | B : Processor | 1 |
| 5. | A : Windows 7 | 1 |
| 6. | C : Both a and b | 1 |
| 7. | A : 5Total | 1 |
| 8. | B : break | 1 |
| 9. | C : 5.0 | 1 |
| 10. | B : Scienc | 1 |
| 11. | C : L[-1] | 1 |
| 12. | B : 786 | 1 |
| 13. | A : 0 | 1 |
| 14. | C : Statement 3 | 1 |
| 15. | C : % | 1 |
| 16. | C : Better late than never: | 1 |
| 17. | A : if – else | 1 |
| 18. | B : List is mutable & String is immutable | 1 |
| 19. | C : print(list1[1:8:2]) | 1 |
| 20. | D : (A’+B).C’ | 1 |
| 21. | Answer : A | 1 |
|  | **SECTION B** |  |
| 22. | city=’mumbai’  if city==”Jaipur”:  print(“hot weather”)  elif city==”Shimla”:  print(“very cold”)  else:  print(city) | 2 |
| 23. |  | 2 |
| 24. | a.Good Morning  b.i. ['Actions', 'speak,', 'louder', 'than', 'words']  ii. 15 | 2 |
| 25. | [2, 5, 5, 6, 2, 7, 5, 2, 9, 11, 18, 2, 4]  [2, 5, 5, 6, 2, 7, 5, 2, 9, 11, 18, 2, 4, [5, 16]]  16  4 | 2 |
| 26. | 7  ['that', ['are', 'a']] | 2 |
| 27. | 10  smsbthing#Is#Imp | 2 |
| 28 | 1903  312 | 2 |
|  | **SECTION C** |  |
| 29. | n=int(input("Enter number of elements:"))  NumList=[]  for i in range(n):  x=int(input("enter value:"))  NumList.append(x)  count=0  for i in NumList:  if i%8==0:  count=count+1  print("no. of values divisible by 6 is:",count) | 3 |
| 30 | A : 3  b : 2  c : 30 91 | 3 |
| 31. | str1=input("Enter the string : ")  str2=''  for i in range(len(str1)):  if(str1[i] == ' '):  str2 = str2 + '#'  else:  str2 = str2 + str1[i]  print("Modified String : ", str2) |  |
|  | **SECTION D** |  |
| 32. | weight=float(input("Enter weight in kgs:"))  height=float(input("Enter height in meters:"))  BMI=weight/(height\*height)  if BMI<18.5:  print("Underweight")  elif BMI>=18.5 and BMI<=24.9:  print("Normal")  elif BMI>=25 and BMI<=29.9:  print("Overweight")  else:  print("Obese") |  |
| 33. | 1. for i in range(1,6,1):   for j in range(1,i+1):  print(j,end=" ")  print()   1. x=int(input("Enter value of x:"))   n=int(input("Enter value of n:"))  s=0  for i in range(n+1):  s=s+(x\*\*i)  print("Sum of series:", s) |  |
| 34. | 1. A Variables in Python is only a name given to a memory location, all the operations done on the variable effects that memory location*.*   A variable in Python is a representational name that serves as a pointer to an object.  Example x=10   1. [1, 3, 5, 7] 2. i=20   while i>10:  print("hello")  i=i-3   1. 4 |  |
| 35. | n=int(input("Enter a number: "))  rev=0  org=n  while n>0:  rem=n%10  rev=rev\*10+rem  n//= 10  print("Reversed number: ", rev)  if org==rev:  print("it is palindrome")  else:  print("it is not a palindrome")  num = int(input("enter a number to find its factor: "))  print (1, end=' ')  i = 2  while i <= num+1 :  if num % i == 0:  print(i, end=' ')  i += 1 |  |
|  | **SECTION E** |  |
| 36. | a. Python allows us to repeat the given string using repetition operator which is denoted by symbol \*  >>> str1 = 'Hello’  >>> str1 \* 2 'HelloHello’  >>> str1 \* 5 'HelloHelloHelloHelloHello'  b.  ch=int(input("Enter your choice:"))  if ch==1:  num = int(input("Enter the number : "))  i = 1  print("Multiplication Table : ")  while i<=10:  num = num \* 1  print(num,'x',i,'=',num\*i)  i += 1  elif ch==2:  n= int(input("enter the number:"))  for i in range(2,n):  if n%i==0:  print(n, "is not a prime number")  break  else:  print(n, "is a prime number") |  |
| 37. |  |  |