**INDIAN SCHOOL AL WADI AL KABIR**

 Unit Test 1 2024-25

 **SUB: Informatics Practices(065)**

**SET II**

Date: 04/06/2024 Time Allowed: 1 hour

Class: XI Maximum Marks: 30

General Instructions:

1. This question paper contains five sections, Section A to D.

2. All questions are compulsory.

3. Section A have 10 questions carrying 01 mark each.

4. Section B has 03 Very Short Answer type questions carrying 02 marks each.

5. Section C has 02 Long Answer type questions carrying 03 marks each.

6. Section D has 02 Long Answer type questions carrying 04 marks each.

7. All programming questions are to be answered using Python Language only.

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|  | **Section –A** |  |
| **Q. No.** | **Question** | **Marks** |
| 1 | Which of the following is an Open source Operating System ?a. MS Windowsb. Unixc. MS Dosd. Linux | 1 |
| 2 | 1 TB = \_\_\_\_\_\_\_\_\_ GB1. 1024
2. 2
3. 2048
4. 1000
 | 1 |
|  3 | Find the valid identifier from the following.a. MyName b. True c. 2ndName d. Sales@amt | 1 |
| 4 | Find the output of the following code in PythonA, B, C = True, False, Falseprint(not A or B and C, end = “@”)print(A and B or not C)1. False@True
2. True @False
3. False True @
4. Error
 | 1 |
| 5 | Which of the following operators will return either True or False?1. +=
2. !=
3. =
4. \*=
 | 1 |
| 6 | Identify the statement from the following which will raise an error:1. print(“A” \*3)
2. print(5\*3)
3. print(“15” + 3 )
4. print(“15” + “13”)
 | 1 |
| 7 | Predict the output of the following:x, y=5,10x, y, x=x+1, y+3, x+10x=x\*2y=y+10print(x, y)1. 30 23
2. 32 23
3. 12 23
4. 14 23
 |  |
| 8 | What will be the output of the following expression?print( 95//3\*\*2\*\*2+12-3%2) a. 12 b. 14 c. 11 d. 10 |  |
| 9 | \_\_\_\_\_\_\_\_\_\_\_\_\_ acts as an interface between the device and the operation system.1. System Utility
2. Device Drivers
3. Language Translators
4. System Software
 |  |
| 10 | Which of the following is volatile in nature? a. ROMb. HARD DISKc. RAMd. CD  |  |
|  | **SECTION – B** |  |
| 11 | Write the difference between RAM and ROM. | 2 |
| 12 | Find the output of the following code.P, Q, R = 3, 10, 2ans = 0for J in range(P, Q, R): ans = ans + Jprint(“Answer = ”, ans) | 2 |
| 13 | What will be the output of the following code fragments?1. A=True

 Y=True Z= False if X or Y and Z: print (“Eligible”) else: print (“Not eligible”)1. x, y = 15 , 16

p , q = x\*2,x%2r=5if x>1 and p: r += x\*2//3if x> 2 and not q: r += x/2\*3else: r += p\*\*q+xprint(r) | 2  |
|  | **Section C** |  |
| 14 | Define the following :1. Operating System
2. System Utility
3. CPU
 | 3 |
| 15 | 1. Write a program to input a number and check whether it is divisible by 7 or not.
2. Write a program to input the basic salary of an employee and calculate HRA.

HRA is 20 % of basic, if basic is more than 10000,  Otherwise 10 % of basic.Also calculate the netsalary( basic + HRA) | 3 |
|  | **Section D** |  |
| 16 | 1. Write a Python program to input marks of 3 subjects . Calculate total and

 percentage and grade based on the following criteria:Percentage Grade >=90 A80-90 B70-80 C60-70 D50-60 E<50 F 1. Write a program to input a number and print its multiplication table
 | 4 |
| 17 | 1. Write a program to input a number ‘N’ and print its factors.
2. Write a program to find the sum of all odd numbers between X and Y where X and Y are entered by the user.
 | 4 |