**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 Windows  b. Unix  c. MS Dos  d. Linux | 1 |
| 2 | 1 TB = \_\_\_\_\_\_\_\_\_ GB   1. 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 Python  A, B, C = True, False, False  print(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=5,10  x, y, x=x+1, y+3, x+10  x=x\*2  y=y+10  print(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. ROM  b. HARD DISK  c. RAM  d. 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, 2  ans = 0  for J in range(P, Q, R):  ans = ans + J  print(“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%2  r=5  if x>1 and p:  r += x\*2//3  if x> 2 and not q:  r += x/2\*3  else:  r += p\*\*q+x  print(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 A  80-90 B  70-80 C  60-70 D  50-60 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 |