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| **PT1/CSQP/1122/A 12-SEP-2022** | | | | | | |
| **PERIODIC TEST I 2022-23** | | | | | | |
| **Subject: COMPUTER SCIENCE (083)**  **Grade: XI** | | | Max. Marks: 35Time: 1Hr 15 Mins | | | |
| General Instructions:This question paper consists of four sections A, B, C . Each part is compulsory.Section A – consists of 7 questions (1-7). Each question carries 1 mark.  1. Section B – consists of 8 questions (8-15). Each question carries 2 marks. 2. Section C – consists of 4 questions (16-19). Each question carries 3 marks. 3. All programming questions are to be answered using Python Language only | | | | | | |
| **Qno** | **SECTION A** | | | | | Mark |
| **1.** | The tokens which trigger some computation action when applied to variables and other objects are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | | | | | **1** |
| **2.** | What is the default value of separator in a print statement? | | | | | **1** |
| **3.** | What will be the output of following ?  >>> int("4"\*5) | | | | | **1** |
| **4.** | \_\_\_\_\_\_\_ function returns the data type of a literal or an identifier. | | | | | **1** |
| **5.** | What is the need of secondary memory? | | | | | **1** |
| **6.** | General Purpose software are a type of | | | | | **1** |
|  | **a.** | Application Software | | **b.** | System Software |  |
|  | **c.** | Utility Software | | **d.** | Device Drivers |  |
| **7.** | Execution time of i.--------------- is less than ii.--------------- . | | | | | **1** |
|  | **a.** | i. source code ,ii. object code | | **b.** | i. object code ,ii. target code |  |
|  | **c.** | i. object code ,ii. source code | | **d.** | i. target code, ii. object code |  |
|  | **SECTION B** | | | | |  |
| **8.** | **What will be the output for the following expression:**   1. **>>> 3\*4//5%6/2** 2. **>>> a,b,c,d=10,2,8,1**   **>>> a>b and b==c or c!=d and not a>10** | | | | | **2** |
| **9.** | **a. What will be the value of the expression 20+2\*\*3\*\*2 ?**  **b. What will be the output produced by these code statement?**  **i. bool(float('0.0'))**  **ii. int('12') or 0** | | | | | **2** |
| **10.** | **Write a program that repeats the string “Welcome to Grade 11!” n times. Here n is an integer entered by the user (without using loop).**  **Example:**  **Enter the value of n: 3**  **Then Output is :**  **Welcome to Grade 11!Welcome to Grade 11!Welcome to Grade 11!** | | | | | **2** |
| **11.** | **Write a program to swap the value of two variables a and b entered by user.(without using the python statement a,b=b,a).**  **Example:**  **Enter the value of a8**  **Enter the value of b5**  **The value of a= 8 and b= 5**  **The value of a after swapping= 5 and b= 5** | | | | | **2** |
| **12.** | **Differentiate between implicit and explicit type conversion with example.** | | | | | **2** |
| **13.** | **What is an operating system? Name any two types of user interface of operating system.** | | | | | **2** |
| **14.** | **Convert (5EC2)16  to binary and octal.** | | | | | **2** |
| **15.** | Draw a Logical Circuit Diagram for the following Boolean Expression X’ . (Y’ + Z) | | | | | **2** |
|  | **SECTION C** | | | | |  |
| **16.** | Verify the given Distributive law of Boolean Algebra using truth table:  X.(Y+Z)=X.Y+X.Z | | | | | **3** |
| **17.** | **Do the following conversions:**   1. **Convert 1101110.112  to decimal.** 2. **Convert 8910 to Octal** | | | | | **3** |
| **18.** | Make a flowchart OR Write algorithm:  To print the greatest of the three numbers (a,b,c) entered. | | | | | **3** |
| **19.** | Write the output of following codes:   1. a,b=80,45   b,a=a%7,b/5  print(a,b)  a,a=a-5,b-10  print(a)   1. name1="Twinkle"   name2="Star"  print("Recite the poem \t Lyrics")  print(name1\*2,"Little"+" "+name2,sep="&&",end="\*\*\*\*\*")  print("How I wonder what you are") | | | | | **3** |

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