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| **PT1/CSAK/1122/A 12-SEP-2022** | | | |
| **PERIODIC TEST I 2022-23-** | | | |
| **Subject: COMPUTER SC (083) - Answer Key**  **Grade: XI** | | Max. Marks: 35Time: 1 Hr 20 Mins | |
| **Qno** | **SECTION A** | | Mark |
| **1.** | operators | | **1** |
| **2.** | Whitespace/space | | **1** |
| **3.** | 44444 | | **1** |
| **4.** | type() | | **1** |
| **5.** | Primary memory has limited storage capacity and is either volatile (RAM) or read-only (ROM). Thus, a computer system needs auxiliary or secondary memory to permanently store the data or instructions for future use. | | **1** |
| **6.** | a. Application Software | | **1** |
| **7.** | c. i. object code ,ii. source code | | **1** |
|  | **SECTION B** | |  |
| **8.** | a. 1.0  b. True (1 mark each) | | **2** |
| **9.** | **a. 532**  **b. i. False ii. 12** | | **2** |
| **10.** | **Errors that occur during the execution of a program are run time errors . The program abruptly stops working or crashes. E.g. Division by zero error.**  **Errors that are caused due to wrong algorithm and problem with the programmer logic are logical error. These errors are hard to find as the code may produce output but not the correct one. E.g if programmer writes the expression of computing the average of 50,60,70 as**  **>>>50+60+70/3** | | **2** |
| **11.** | **n=int(input("Enter the value of n"))**  **print("Welcome to Grade 11!"\*n)** | | **2** |
| **12.** | **a=int(input("enter the value of a"))**  **b=int(input("enter the value of b"))**  **print("The value of a=",a,"and b=",b)**  **c=a**  **a=b**  **b=a**  **print("The value of a after swapping=",a,"and b=",b)** | | **2** |
| **13.** | **The conversions which happen by a compiler or interpreter automatically without the programmer’s intervention in a mixed expression is implicit type conversion.**  **Example >>> “10”\*3 output is “101010”**  **Here 10 is a string datatype and 3 is int the output is a string datatype**  **The conversions which happen due to programmers’ intervention to solve an expression is explicit type conversion.**  **Example >>>int(12.5) output is 12**  **(1 mark for explanation and 1 mark for example)** | | 2 |
| **14.** | **Operating System is an interface between the user and the hardware.(1 mark)**  **The types of user interface are: (any 2-1/2 mark each)**  **Command User Interface**  **Graphical user interface**  **Touch Based user interface**  **Voice based user interface** | | 2 |
| **15.** | **1011110110000102**  **573028** | | 2 |
| **16.** |  | | 2 |
|  | **SECTION C** | |  |
| **16.** |  | | **3** |
| **17.** | a) 110.7510  b) 1318  (1.5 marks each) | | **3** |
| **18.** | OR | | **3** |
| **15.** | a)  9.0 3  -7  (11/2 marks- 1/2 mark each correct value)  b)  Recite the poem Lyrics  TwinkleTwinkle&&Little Star\*\*\*\*\*How I wonder what you are | | **3** |

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