



SRI RAMAJAYAM GLOBAL SENIOR SECONDARY CBSE SCHOOL

CHAPTER-7 (22.11.2020)

STD: XI

TIME: 1.30 Hour

Q.no	Write the most appropriate answers for each question.	Marks allocated																														
1	An _____ is composed of one or more operations. It is a valid combination of operators, literals and variables	1																														
2	An atom in Python is something that has a _____	1																														
3	What are the Built-in Data types of Python?	2																														
4	What do you mean by Numeric Type?	2																														
5	Write any 4 immutable types.	2																														
6	Define: Type Casting.	2																														
7	<p style="text-align: center;">Match the following</p> <table><tbody><tr><td>Atom</td><td>-</td><td>Implicit Type Conversion</td></tr><tr><td>Coercion</td><td>-</td><td>Forced data type conversion by the user</td></tr><tr><td>Expression</td><td>-</td><td>A type whose value is not changeable in place</td></tr><tr><td>Explicit Type Conversion</td><td>-</td><td>Something that has a value</td></tr><tr><td>Immutable Type</td><td>-</td><td>Valid combination of operators and atoms.</td></tr><tr><td>Implicit Type Conversion</td><td>-</td><td>Symbol/word that triggers an action or operation</td></tr><tr><td>Mutable Type</td><td>-</td><td>Automatic Internal Conversion of data type by Python</td></tr><tr><td>Operator</td><td>-</td><td>A type whose value is changeable in place</td></tr><tr><td>Logical Operator</td><td>-</td><td>></td></tr><tr><td>Relational Operator</td><td>-</td><td>OR</td></tr></tbody></table>	Atom	-	Implicit Type Conversion	Coercion	-	Forced data type conversion by the user	Expression	-	A type whose value is not changeable in place	Explicit Type Conversion	-	Something that has a value	Immutable Type	-	Valid combination of operators and atoms.	Implicit Type Conversion	-	Symbol/word that triggers an action or operation	Mutable Type	-	Automatic Internal Conversion of data type by Python	Operator	-	A type whose value is changeable in place	Logical Operator	-	>	Relational Operator	-	OR	10
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8	What is an Expression? How many Different types of expressions can you have in python?	3																														
9	What are List and Tuple data types of Python?	2																														
10	Difference between Mutable and Immutable in python.	2																														

11	Write the Binary Operators with example.	2
12	Explain: Logical AND, OR, NOT operators.	3
13	What will be the output produced by these? a) $14\%4$ b) $5 < 10$ or 5	2
14	Identify the data types of the values given below: 3, 3j, 13.0, '13', "13", 2+0j	3
15	What will be the output of following code? $5 < 5$ or 10 $5 < 10$ or 5 $5 < (10$ or 5) $5 < (5$ or 10)	2
16	What will be output produced by the three expressions of the following code? a = 5 b = -3 c = 25 d = -10 $a + b + c > a + c - b * d$ <code>str(a + b + c > a + c - b * d) == 'true'</code> <code>len(str(a + b + c > a + c - b * d)) == len(str(bool(1)))</code>	3
17	What will be the output produced by the following code statements? (a) <code>bool(0)</code> (b) <code>bool(1)</code> (c) <code>bool('0')</code> (d) <code>bool('1')</code>	2
18	Write any example for complex number.	1
19	Write any 4 mathematical library functions in python.	2
20	Evaluate the Expression: $3 < 5$ or $50 / (5 - (3 + 2))$	3

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