MBA – II SEM-III
305 : Machine Learning and Cognitive Intelligence using Python
MULTIPLE CHOICE QUESTIONS

Q.No	Question	Answer
1	Is Python case sensitive when dealing with identifiers? a) yes b) no c) machine dependent d) none of the mentioned	A
2	What is the maximum possible length of an identifier? a) 31 characters b) 63 characters c) 79 characters d) none of the mentioned	D
3	Which of the following is invalid? a) _a = 1 b) __a = 1 c) __str__ = 1 d) none of the mentioned	D
4	Which of the following is an invalid variable? a) my_string_1 b) 1st_string c) foo d) _	B
5	. Why are local variable names beginning with an underscore discouraged? a) they are used to indicate a private variables of a class b) they confuse the interpreter c) they are used to indicate global variables d) they slow down execution	A

6	Which of the following is not a keyword? a) eval b) assert c) nonlocal d) pass	A
7	All keywords in Python are in _____ a) lower case b) UPPER CASE c) Capitalized d) None of the mentioned	D
8	Which of the following is true for variable names in Python? a) unlimited length b) all private members must have leading and trailing underscores c) underscore and ampersand are the only two special characters allowed d) none of the mentioned	A
9	Which of the following is an invalid statement? a) abc = 1,000,000 b) a b c = 1000 2000 3000 c) a,b,c = 1000, 2000, 3000 d) a_b_c = 1,000,000	B
11	Which of the following cannot be a variable? a) __init__ b) in c) it d) on	B
12	Which is the correct operator for power(x^y)? a) X^y b) X**y c) X^^y d) None of the mentioned	B
13	Which one of these is floor division? a) / b) //	B

	c) % d) None of the mentioned	
14	What is the order of precedence in python? i) Parentheses ii) Exponential iii) Multiplication iv) Division v) Addition vi) Subtraction a) i,ii,iii,iv,v,vi b) ii,i,iii,iv,v,vi c) ii,i,iv,iii,v,vi d) i,ii,iii,iv,vi,v	A
15	What is the answer to this expression, 22 % 3 is? a) 7 b) 1 c) 0 d) 5	B
16	Mathematical operations can be performed on a string. a) True b) False	B
17	Operators with the same precedence are evaluated in which manner? a) Left to Right b) Right to Left c) Can't say d) None of the mentioned	A
18	What is the output of this expression, 3*1**3? a) 27 b) 9 c) 3 d) 1	C
19	Which one of the following has the same precedence level? a) Addition and Subtraction b) Multiplication, Division and Addition	A

	c) Multiplication, Division, Addition and Subtraction d) Addition and Multiplication	
20	The expression Int(x) implies that the variable x is converted to integer. a) True b) False	A
21	Which one of the following has the highest precedence in the expression? a) Exponential b) Addition c) Multiplication d) Parentheses	D
22	Which of these in not a core data type? a) Lists b) Dictionary c) Tuples d) Class	D
23	Given a function that does not return any value, What value is thrown by default when executed in shell. a) int b) bool c) void d) None	D
24	What will be the output of the following Python code? 1. >>>str="hello" 2. >>>str[:2] 3. >>> a) he b) lo c) olleh d) hello	A

25	Which of the following will run without errors? a) round(45.8) b) round(6352.898,2,5)a c) round() d) round(7463.123,2,1)	A
26	What is the return type of function id? a) int b) float c) bool d) dict	A
27	In python we do not specify types, it is directly interpreted by the compiler, so consider the following operation to be performed. 1. >>>x = 13 ? 2 objective is to make sure x has a integer value, select all that apply (python 3.xx) a) x = 13 // 2 b) x = int(13 / 2) c) x = 13 % 2 d) All of the mentioned	D
28	What error occurs when you execute the following Python code snippet? apple = mango a) SyntaxError b) NameError c) ValueError d) TypeError	B

29	What will be the output of the following Python code snippet?
	
	    1. def example(a):
	    2. a = a + '2'
		A

	3. a = a*2 4. return a 5. >>>example("hello") a) indentation Error b) cannot perform mathematical operation on strings c) hello2 d) hello2hello2	
30	What data type is the object below? L = [1, 23, 'hello', 1] a) list b) dictionary c) array d) tuple	A
31	In order to store values in terms of key and value we use what core data type. a) list b) tuple c) class d) dictionary	D
32	Which of the following results in a SyntaxError? a) '"Once upon a time…", she said.' b) "He said, 'Yes!'" c) '3\' d) "'That's okay"'	C

33	The following is displayed by a print function call. Select all of the function calls that result in this output.
	    1. tom
	    2. dick
	    3. harry
	a)
	print('''tom
		C

	\ndick \nharry''') b) print("'tomdickharry"') c) print('tom\ndick\nharry') d) print('tom dick harry')	

34	What is the average value of the following Python code snippet?
	
	    1. >>>grade1 = 80
	    2. >>>grade2 = 90
	    3. >>>average = (grade1 + grade2) / 2
	
	a) 85.0
	b) 85.1
	c) 95.0
	d) 95.1
		A

35	Select all options that print. hello-how-are-you a) print('hello', 'how', 'are', 'you') b) print('hello', 'how', 'are', 'you' + '-' * 4) c) print('hello-' + 'how-are-you') d) print('hello' + '-' + 'how' + '-' + 'are' + 'you')	c
36	What is the return value of trunc()? a) int b) bool c) float d) None	A
37	What is the output of print 0.1 + 0.2 == 0.3? a) True b) False c) Machine dependent d) Error	B

38	Which of the following is not a complex number? a) k = 2 + 3j b) k = complex(2, 3) c) k = 2 + 3l d) k = 2 + 3J	C
39	What is the type of inf? a) Boolean b) Integer c) Float d) Complex	C
40	What does ~4 evaluate to? a) -5 b) -4 c) -3 d) +3	A
41	What does ~~~~~~5 evaluate to? a) +5 b) -11 c) +11 d) -5	A
42	Which of the following is incorrect? a) x = 0b101 b) x = 0x4f5 c) x = 19023 d) x = 03964	D
43	What is the result of cmp(3, 1)? a) 1 b) 0 c) True d) False	A
44	Which of the following is incorrect? a) float('inf') b) float('nan') c) float('56'+'78') d) float('12+34')	d

45	What is the result of round(0.5) – round(-0.5)? a) 1.0 b) 2.0 c) 0.0 d) Value depends on Python version	D
46	What does 3 ^ 4 evaluate to? a) 81 b) 12 c) 0.75 d) 7	D
47	The value of the expressions 4/(3*(2-1)) and 4/3*(2-1) is the same. a) True b) False	A
48	What will be the value of the following Python expression? 4 + 3 % 5 a) 4 b) 7 c) 2 d) 0	B
49	Evaluate the expression given below if A = 16 and B = 15. A % B // A a) 0.0 b) 0 c) 1.0 d) 1	B
50	Which of the following operators has its associativity from right to left? a) + b) // c) %	D

	d) **	
51	What will be the value of x in the following Python expression? x = int(43.55+2/2) a) 43 b) 44 c) 22 d) 23	B
52	What is the value of the following expression? 2+4.00, 2**4.0 a) (6.0, 16.0) b) (6.00, 16.00) c) (6, 16) d) (6.00, 16.0)	A
53	Which of the following is the truncation division operator? a) / b) % c) // d) |	C
54	What are the values of the following Python expressions? 2**(3**2) (2**3)**2 2**3**2 a) 64, 512, 64 b) 64, 64, 64 c) 512, 512, 512 d) 512, 64, 512	D
55	What is the value of the following expression? 8/4/2, 8/(4/2)	A

	a) (1.0, 4.0) b) (1.0, 1.0) c) (4.0. 1.0) d) (4.0, 4.0)	
56	What is the value of the following expression? float(22//3+3/3) a) 8 b) 8.0 c) 8.3 d) 8.33	B