

Part A-CT-3: 21CSS101J Programming for Problem Solving -CS Cognitive Computing/CS Cyber Security and Digital Forensics/CS Data Science/Artificial Intelligence

22/01/2022

Time :8Am To 9.40Am

Part-A: 20 MCQ : 20 X 1 =20 marks

Part-B: 2 Big questions (either or type): 2 X 15 = 30 marks

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* Required

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SPECIALISATION *

MTECH CSE DATA SCIENCE



What is the output of the code `print(type(type(char)))` *

- ☐ Error
- ☐ `type(int)`
- ☐ 0
- ☒ `type'type'`

`time.time()` returns _____ *

- ☐ the current time
- ☒ the current time in milliseconds since midnight, January 22, 2022 GMT (the Unix time)
- ☐ the current time in milliseconds
- ☐ the current time in milliseconds since midnight, January 22, 2022

Which of the following is the correct extension of the Python file? *

- ☐ `python`
- ☐ `.pl`
- ☐ `.ipynb`
- ☒ `.py`



Which of the following character is used to give single-line comments in Python? *

☐ //

☒ #

☐ !

☐ /

What does pip stand for python? *

☐ unlimited length

☐ all private members must have leading and trailing underscores

☐ Preferred Installer Program

☒ Python Installer Program

Which of the following functions is a built-in function in python? *

☐ factorial()

☒ print()

☐ seed()

☐ sqrt()



What will be the output of the following Python expression if x=2.986?

`print("%.2f"%x)` *

- ☐ 2.986
- ☐ 2.98
- ☐ 02.98
- ☒ 2.99

What is the order of namespaces in which Python looks for an identifier? *

- ☐ Python first searches the built-in namespace, then the global namespace and finally the local namespace
- ☐ Python first searches the built-in namespace, then the local namespace and finally the global namespace
- ☒ Python first searches the local namespace, then the global namespace and finally the built-in namespace **
- ☐ Python first searches the global namespace, then the local namespace and finally the built-in namespace

What will be the output of the following Python program?

`z=set('abc')z.add('san')z.update(set(['p', 'q']))z` *

- ☐ {'a', 'c', 'c', 'p', 'q', 'g', 'e', 'o'}
- ☐ {'abc', 'p', 'q', 'geo'}
- ☐ {'a', 'b', 'c', 'p', 'q', 'geo'}
- ☒ {'a', 'b', 'c', ['p', 'q'], 'san'}



Suppose `d = {"murugan":40, "vishnu":45}`, to delete the entry for "murugan" what command do we use? *

- ☐ `d.delete("murugan":40)`
- ☒ `d.delete("murugan")`
- ☐ `del d["murugan"] *`
- ☐ `del d("murugan":40)`

Suppose `d = {"john":40, "peter":45}`, what happens when we try to retrieve a value using the expression `d["susan"]`? *

- ☐ Since "susan" is not a value in the set, Python raises a `KeyError` exception
- ☐ Since "susan" is not a key in the set, Python raises a syntax error
- ☐ It is executed fine and no exception is raised, and it returns `None`
- ☒ Since "susan" is not a key in the set, Python raises a `KeyError` exception

What will be the output of the following Python code?
`x = "abcdef" i = "a" while i in x[1:]: print(i, end = " ") *`

- ☐ `a a a a a a`
- ☐ `a`
- ☒ no output
- ☐ error



Set makes use of _____ Dictionary makes use of _____ *

- ☐ keys, keys
- ☐ key values, keys
- ☒ keys, key values
- ☐ key values, key values

Which of the following functions cannot be used on heterogeneous sets? *

- ☐ pop
- ☐ remove
- ☐ update
- ☒ sum

What will be the output of the following Python code? `d = {0: 'a', 1: 'b', 2: 'c'}` for `x, y` in `d.items()`: `print(x, y)` *

- ☐ 0 1 2
- ☐ a b c
- ☒ 0 a 1 b 2 c
- ☐ 0 "a" 1 "b" 2 "c"



16. What will be the output of the following Python code? `d = {0, 1, 2}` for `x` in `d`:
`print(d.add(x))` *

- ☐ 0 1 2
- ☐ 0 1 2 0 1 2 0 1 2 ...
- ☒ None None None
- ☐ 0 2 1 0 2 1

Which of the following will run without errors? *

- ☒ `round(45.8)`
- ☐ `round(6352.898,2,5)`
- ☐ `round()`
- ☐ `round(7463.123,2,1)`

`tuple1=("a","b","c","d")tuple1.append("e")print(len(tuple1))`What is the output of the above code? *

- ☐ 5
- ☐ 6
- ☒ Error
- ☐ 2



```
mylist = iter(["Bumrah", "Virat", "Hardik"])  
x = next(mylist)  
print(x) *
```

- ☒ Bumrah
- ☐ Virat
- ☐ Hardik
- ☐ Error

Which of the following operators cannot be used on sets? *

- ☐ +
- ☐ ==
- ☒ ^
- ☐ -

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