MCQ → Answers

1) What will be the output of the following code snippet?

```
def func(a, b):
return b if a == 0 else func(b % a, a)
print(func(30, 75))
```

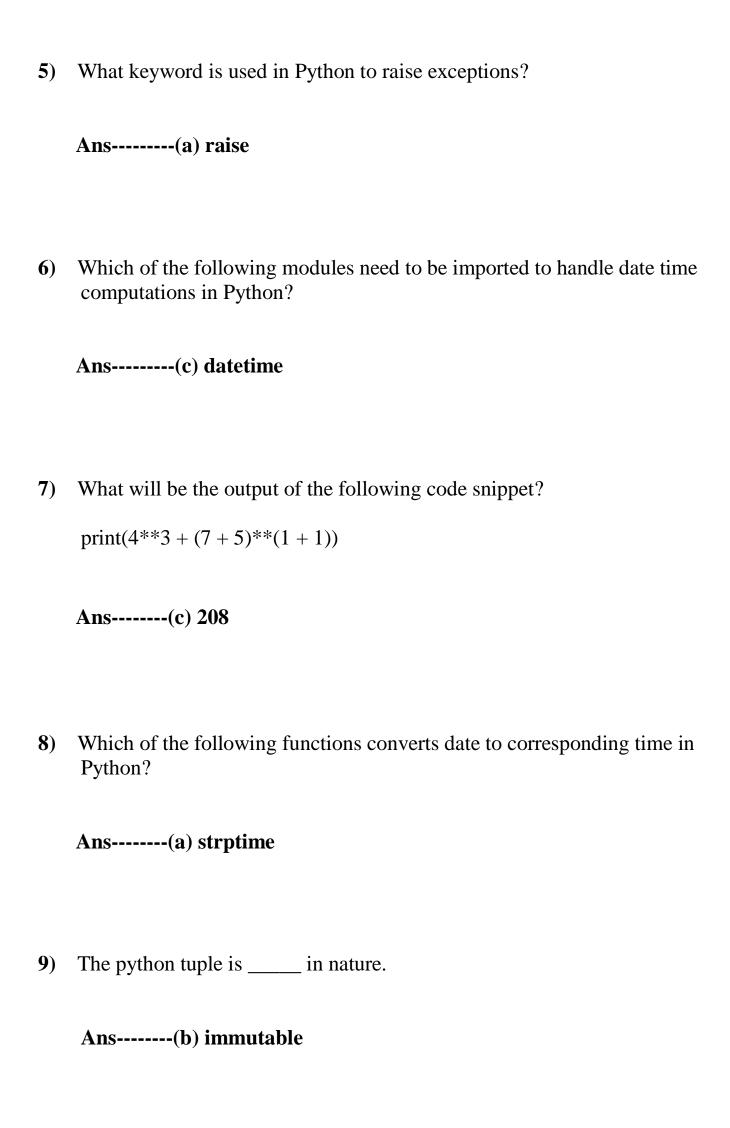
2) numbers = (4, 7, 19, 2, 89, 45, 72, 22) sorted_numbers = sorted(numbers) even = lambda a: a % 2 == 0 even_numbers = filter(even, sorted_numbers) print(type(even_numbers))

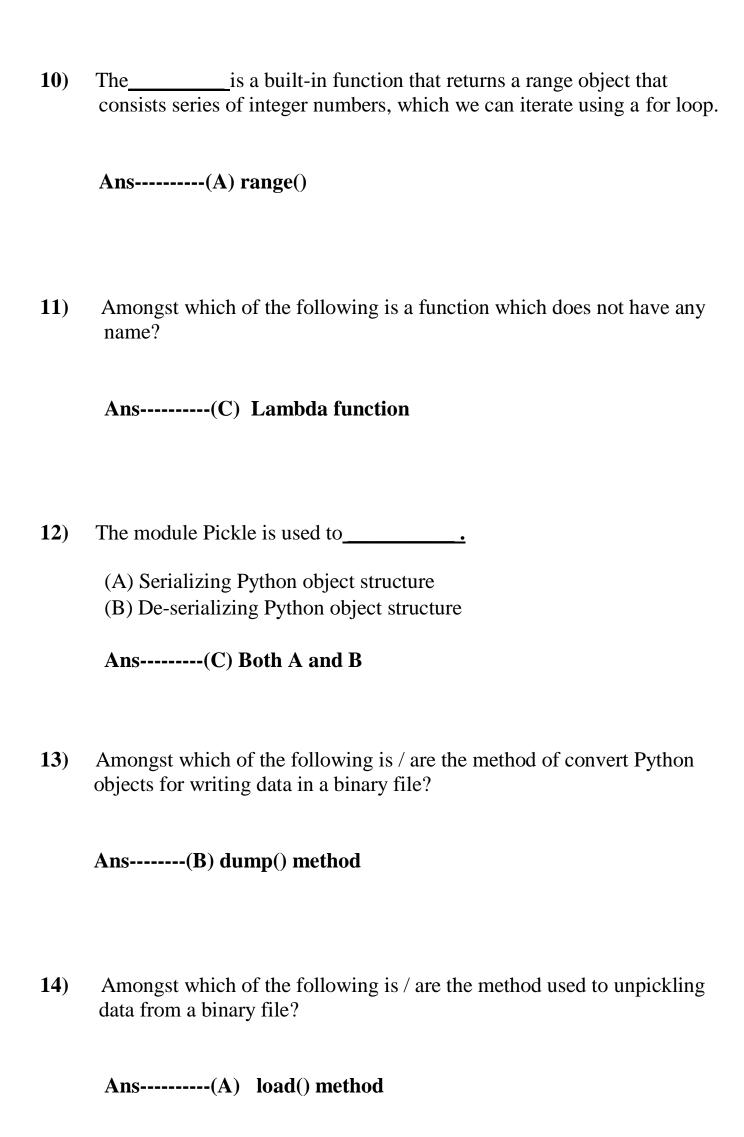
```
Ans----(b) Filter
```

3) As what datatype are the *args stored, when passed into function.

Ans----(a) Tuple

Ans----(d) Error





15)	A text file contains only textual information consisting of
	A) AlphabetsB) NumbersC) Special symbols
	Ans(D) All of the mentioned above
16)	Which Python code could replace the ellipsis () below to get the following output? (Select all that apply.)
	<pre>captains = { "Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko", }</pre>
	Enterprise Picard, Voyager Janeway Defiant Sisko
	a) for ship, captain in captains.items(): print(ship, captain)
	b) for ship in captains: print(ship, captains[ship])
	Ans(d) both a and b

17) Which of the following lines of code will create an empty dictionary named captains?

```
Ans-----(d) captains = {}
```

18) Now you have your empty dictionary named captains. It's time to add some data!

```
Specifically, you want to add the key-value pairs "Enterprise": "Picard", "Voyager": "Janeway", and "Defiant": "Sisko".
```

Which of the following code snippets will successfully add these key-value pairs to the existing captains dictionary?

```
Ans-----(b) captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"
```

19) You're really building out the Federation Starfleet now! Here's what you have:

```
captains = {
    "Enterprise": "Picard",
    "Voyager": "Janeway",
    "Defiant": "Sisko",
    "Discovery": "unknown",
    }
```

Now, say you want to display the ship and captain names contained in the dictionary, but you also want to provide some additional context. How could you do it?

```
Ans-----(b) for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.")
```

20) You've created a dictionary, added data, checked for the existence of keys, and iterated over it with a for loop. Now you're ready to delete a key from this dictionary:

```
captains = {
    "Enterprise": "Picard",
    "Voyager": "Janeway",
    "Defiant": "Sisko",
    "Discovery": "unknown",
}
```

What statement will remove the entry for the key "Discovery"?

Ans-----(c) del captains["Discovery"]