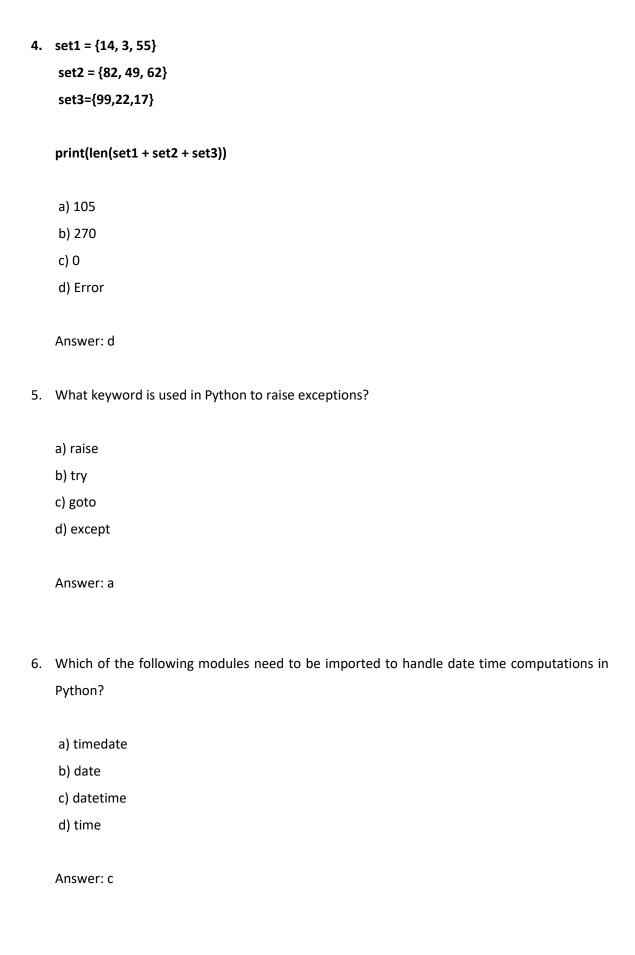
MCQ

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))
    a) 10
    b) 20
    c) 15
    d) 0
    Answer: c
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))
   a) Int
   b) Filter
   c) List
   d) Tuple
   Answer: b
3. As what datatype are the *args stored, when passed into
   a) Tuple
   b) List
   c) Dictionary
```

d) none

Answer: a



	print(4**3 + (7 + 5)**(1 + 1))
	a) 248
	b) 169
	c) 208
	d) 233
	Answer: c
8.	Which of the following functions converts date to corresponding time in Python?
	a) strptime
	b) strftime
	c) both (a) and (b)
	d) None
	Answer: a
9.	The python tuple is in nature.
	a) mutable
	b)immutable
	c)unchangeable
	d) none
	Answer: b

7. What will be the output of the following code snippet?

10. The is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.
a. range()
b. set()
c. dictionary{}
d. None of the mentioned above
Answer: a
11. Amongst which of the following is a function which does not have any name?
a. del function
b. show function
c. lambda function
d. None of the mentioned above
Answer: c
12. The module Pickle is used to
a. Serializing Python object structure
b. De-serializing Python object structure
c. Both A and B
d. None of the mentioned above
Answer: c

13.	Amongst which of the following is / are the method of convert Python objects for writing
	data in a binary file?
	a. set() method
	b. dump() method
	c. load() method
	d. None of the mentioned above
	Answer: b
14.	Amongst which of the following is / are the method used to unpickling data from a binary
	file?
	a. load()
	b. set() method
	c. dump() method
	d. None of the mentioned above
	A
	Answer: a
15	A text file contains only textual information consisting of
	a. Alphabets
	b. Numbers
	c. Special symbols
	d. All of the mentioned above
	Answer: d
16	Which Python code could replace the ellipsis () below to get the following output? (Select
	all that apply.)

```
captains = { "Enterprise": "Picard",
    "Voyager": "Janeway",
    "Defiant": "Sisko", }
    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])
    c) for ship in captains:
        print(ship, captains)
    d) both a and b
    Answer: d
17. Which of the following lines of code will create an empty dictionary named captains?
    a) captains = {dict}
    b) type(captains)
    c) captains.dict()
    d) captains = {}
    Answer: d
```

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?

```
a) captains{"Enterprise" = "Picard"}
  captains{"Voyager" = "Janeway"}
  captains{"Defiant" = "Sisko"}
```

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

```
c) captains = {
    "Enterprise": "Picard",
    "Voyager": "Janeway",
    "Defiant": "Sisko" }
```

d) None of the above

Answer: c

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?

```
a) for item in captains.items():
         print(f"The [ship] is captained by [captain].")
    b) for ship, captain in captains.items():
        print(f"The {ship} is captained by {captain}.")
    c) for captain, ship in captains.items():
         print(f"The {ship} is captained by {captain}.")
    d) All are correct
    Answer: b
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"?
    a) del captains
    b) captains.remove()
    c) del captains["Discovery"]
    d) captains["Discovery"].pop()
```

Answer: c