```
Q1)
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
Q2)
 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
Q3)
As what datatype are the *args stored, when passed into
 a) Tuple
 b) List
 c) Dictionary
 d) none
Q4)
set1 = \{14, 3, 55\}
 set2 = \{82, 49, 62\}
```

set3={99,22,17}

<pre>print(len(set1 + set2 + set3))</pre>	
b) c)	105 270 0 Error
Q 5)	
What ke	yword is used in Python to raise exceptions?
a) raise	
b) try	
c) goto	
d) exce	pt
Q6) Which o Python?	f the following modules need to be imported to handle date time computations in
e) time	date
f) date	
g) datet	ime
h) time	
Q7)	
What w	vill be the output of the following code snippet?
print(4	**3 + (7 + 5)**(1 + 1))
c)	248 169 208 233
Q8) Which o	of the following functions converts date to corresponding time in Python?
i) strpti	ime
j) strfti	me
k) both	a) and b)
1) None	
Q9) The pyth	non tuple isin nature.
a) muta	ble
b)immu	utable

c)uncha	angeable
d) none	
Q10)	
	_is a built-in function that returns a range object that consists series of integer numbers, which iterate using a for loop.
we can	iterate using a for 100p.
	range()
	set() dictionary{}
	None of the mentioned above
Q11)	
- /	gst which of the following is a function which does not have any name?
A.	Del function
	Show function
	Lambda function None of the mentioned above
D.	Tione of the mentioned doore
Q12) The ma	odule Pickle is used to
THE III	oddie Fekie is discu to
	Serializing Python object structure
	De-serializing Python object structure Both A and B
	None of the mentioned above
Q13)	gst which of the following is / are the method of convert Python objects for writing data in
a binar	
A	set() method
	dump() method
	load() method
D.	None of the mentioned above
Q14)	
Among	gst which of the following is / are the method used to unpickling data from a binary file?
	load()
	set() method
	dump() method None of the mentioned above
Q15)	
_ /	file contains only textual information consisting of
Α.	Alphabets
B.	Numbers
	Special symbols All of the mentioned above
D .	An of the mentioned above

Q16)

```
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

Q17)

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 = {}

Q18)

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

Q19)

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

```
captains = {
   "Enterprise": "Picard",
   "Voyager": "Janeway",

"Defiant": "Sisko",

"Discovery": "u nknown",
```

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
```

O20)

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 captainsb) captains.remove()c) del captains["Discovery"]d) captains["Discovery"].pop()