Question 1 - What will be the output of the following code snippet?
Answer- 15

Question 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))
Answer- Filter

Question 3-) As what datatype are the *args stored, when passed into
Answer-Tuple

Question 4- set1 = {14, 3, 55}
          set2 = {82, 49, 62}
          set3={99,22,17},
          print(len(set1 + set2 + set3))
Answer- Error

Question 5-What keyword is used in Python to raise exceptions?
Answer- Raise

Question 6-Which of the following modules need to be imported to handle date time computations in Python?
Answer- datetime

Question 7-What will be the output of the following code snippet? print(4**3 + (7 + 5)**(1 + 1))
Answer-208

Question 8-Which of the following functions converts date to corresponding time in Python?
Answer-both a) and b)

Question 9-The python tuple is _____ in nature.
Answer- Immutable

Question 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
Answer- Range()

Question 11-Amongst which of the following is a function which does not have any name?
Answer- Lambda

Question 12-The module Pickle is used to _
Answer -Serializing & De-serializing Python object structure

Question 13-Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?
Answer- dump() method

Question 14-Amongst which of the following is / are the method used to unpickling data from a binary file?
Answer- Load()

Question 15-A text file contains only textual information consisting of
Answer- Alphabets and Numeric

Question 16-
Question 17-Which of the following lines of code will create an empty dictionary named captains?
Answer-captains = {dict}

Question 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?
Answer-captains = {dict}
captains = {
 "Enterprise": "Picard",
 "Voyager": "Janeway",
 "Defiant": "Sisko",
}
print(captains)

Question 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?
Answer-for ship, captain in captains.items():
 print(f"The {ship} is captained by {captain}.")

Question 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"?
Answer-del captains["Discovery"]