Q1) What will be the output of the following code snippet?

Sol) C → 15

Q2) numbers = (4, 7, 19, 2, 89, 45, 72, 22)

Sol) B → Filter

Q3) As what datatype are the *args stored, when passed into

Sol) A → Tuple

Q4)

Sol) D → Error as + operand does not work on sets, Union or Update needs to be used for adding 2 sets.

Q5) What keyword is used in Python to raise exceptions?

Sol) A → Raise

Q6) Which of the following modules need to be imported to handle date time computations in Python?

Sol) C → datetime

Q7) What will be the output of the following code snippet? print(4**3 + (7 + 5)**(1 + 1))

Sol) C → 208

Q8) Which of the following functions converts date to corresponding time in Python?

Sol) A → strptime

Q9) The python tuple is _____ in nature.

Sol) B → Immutable

Q10) 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.

Sol) A → range()

Q11) Amongst which of the following is a function which does not have any name?

Sol) C → Lambda

Q12) The module Pickle is used to ___.

Sol) C → Both A and B

Q13) Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

Sol) B → dump()

Q14) Amongst which of the following is / are the method used to unpickling data from a binary file?

Sol) B → Set

Q15) A text file contains only textual information consisting of ___.

Sol) D → All of the above

Q16) Which Python code could replace the ellipsis (...) below to get the following output? (Select all that apply.

Sol) D → Both A and B

Q17) Which of the following lines of code will create an empty dictionary named captains?

Sol) D → captains = {}

Q18) Which of the following code snippets will successfully add these key-value pairs to the existing captains dictionary?

Sol) B → captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"

Q19) 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?

Sol) B → for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.")

Q20) What statement will remove the entry for the key "Discovery"?

Sol) C → del captains["Discovery"]