

# SANTOSHI PATNAIK

ASSIGNMENT.1 (FILE.1)

DS2306

1. Def func(a,b):  
    return b if a==0 else func(b%a,a)  
    print(func(30,75))

**Ans: 15**

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: TUPLE**

3. **As What Datatype \*args stored, when passed into**

- a. Tuple
- b. List
- c. Dictionary
- d. None

**Ans: Tuple**

4 . set1={14,3,55}  
    Set2={82,49,62}  
    Set3={99,22,77}  
    Print(len(set1+set2+set3))

**Ans: ERROR**

5. **What keyword is used in Python to raise exceptions?**

- a. Raise
- b. Try
- c. Goto
- d. except

**Ans: raise**

**6. Which of the following module is to be imported to handle date time computation in python?**

- a. timdate
- b. date
- c. datetime
- d. time

**Ans: datetime**

**7. Print(4\*\*3+(7+5)\*\*(1+1))**

**Ans: 208**

**8. Which of the following functions converts date to corresponding time in python?**

- a. strptime
- b. strftime
- c. both a and b
- d. none

**Ans: Both A and B**

**9. The python Tuple is \_\_\_\_\_ in nature.**

- a. Mutable
- b. Immutable
- c. Unchangeable
- d. None

**Ans: PYTHO TUPLE IS IMMUTABLE IN NATURE.**

**10. The \_\_\_\_\_ is a built-in function that returns a range of objects that consists a series of integer numbers, which we can iterate using a for loop.**

- a. range()
- b. set()
- c. dictionary{}
- d. none of the mentioned above.

**Ans: range()**

**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 above.

**Ans: lambda function**

**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

**Ans: Both A and B.**

**13. Amongst which of the following is/ are the method of convert python objects for writing data in any binary file?**

- a. set() method
- b. dump() method
- c. load() method
- d. none of the mentioned above

**Ans: dump() method**

**14. Amongst which of the following is/ are the method used to unpickling the data from a binary file?**

- a. Load()
- b. Set() method
- c. dump() method
- d. none of the mentioned above

**Ans: load() method**

**15. A text file contains only textual information consisting of \_\_\_\_\_.**

- a. Alphabets
- b. Numbers
- c. Special Symbols

d. None of the mentioned above

**Ans: Alphabets, Numbers, Special symbols**

**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

**Ans. Both A and B**

**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={}`

**Ans: captains={}**

**18. key value pairs=**

`"Enterprise": "Picard" , "Voyager": "Janeway" , "Defiant": "Sisko"`

To add this values to dictionary,

Which of the code snippets will add these key value pairs to the existing empty captains Dictionary

**Ans:** `captains["Enterprise"] = "Picard"`  
`Captains["Voyager"] = "Janeway"`  
`Captains["Defiant"] = "Sisko"`

**19. You're really building out the Federation Star fleet now! Here is what we have.**

`Captains={ "Enterprise": "Picard" , "Voyager": "Janeway",  
          "Defiant" : "Sisko" , "Discovery" : "Unknown"}`

**Ans:**     **for ship, captain in captains.items():**  
              **Print(f"The {ship} is captained by {captain}.")**

**20. To delete a key from the following dictionary**

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

**What statement will remove the entry for the key "Discovery".**

**Ans:** `del captains["Discovery"]`

