

**PARUL UNIVERSITY****FACULTY OF ENGINEERING & TECHNOLOGY****B.Tech./Int. Btech Winter 2022 - 23 Examination****Semester: 3/7****Date: 08/10/2022****Subject Code: 203105211****Time: 02:00 pm to 04:30 pm****Subject Name: Python Programming****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Objective Type Questions - ( Fill in the blanks, one word answer, MCQ) (All are compulsory) (15)**

(Each of one mark)

1. \_\_\_\_\_ Sign is used to write comment as well as documentation of python statements.
2. Python uses \_\_\_\_\_ to indicate a block of code.
3. The \_\_\_\_\_ and \_\_\_\_\_ block are used to handle the runtime error in python.
4. Exceptions occur at \_\_\_\_\_ time.
5. The input() reads the data in \_\_\_\_\_ format/data type.
6. Define the package.
7. Define dictionary.
8. What is frozen set.
9. Why Indexing is not supported by set?
10. What is purpose of type() function?
11. The order of precedence in the Python language is:
  - i) Exponential
  - ii) Parentheses
  - iii) Division
  - iv) Addition

a. i), ii), iii), iv)	b. iv), iii), ii), i)
c. ii), i), iii), iv)	d. i), ii), iv), iii)
12. What will be the output of the following Python code?

```
a,b = 10,20
if(a+b==30):
    print("Correct")
else:
    print("Incorrect")
```

a. Correct	b. Incorrect
c. Compilation Error	d. None of these

13. What will be the output of statement `2**2**2`.
- a. 8
  - b. 16
  - c. 256
  - d. None of these

14. What will be the value of n in the following Python expression?

```
n = int(43.5+2/2)
```

- a. 23
- b. 22
- c. 43
- d. 44

15. All keywords in Python are in

- a. lower case
- b. upper case
- c. first letter capital
- d. None of these

**Q.2 Answer the following questions. (Attempt any three) (15)**

- A) Write a python program to find the smallest integer from a list of integer.
- B) List out any five built-in exceptions with its usage.
- C) What is the purpose of a pass statement in for loop?
- D) Differentiate lambda function with simple function defined using def keyword.

**Q.3** A) List out different modes supported to open a file. Write a python program to open a file and writes content in that file. (07)

B) What is list? Explain any eight functions with it's usage with example. (08)

**OR**

B) What is String? Explain any eight functions with it's usage. (08)

**Q.4** A) What is Python Module? Create a module that consists of two functions for addition and subtraction of two integer inputs. (07)

**OR**

A) Write a program to return a list of all Prime numbers in a given interval of integer. (07)

B) Write a short note on different types of operators supported in python. (08)