**PYTHON EXAM:-2:**

### **OOPs Concept (10 Questions)**

#### **Section 1: Classes and Objects (3 Questions)**

1. **C) Toyota**
2. **B) A class is a blueprint for creating objects.**
3. **A) Class variables are shared among instances, whereas instance variables are unique to each instance.**

#### **Section 2: Methods & Attributes (4 Questions)**

1. **A) 5 10**
2. **A) Instance methods take self as the first parameter, while class methods take cls.**
3. **B) 50**
4. **B) @classmethod def my\_method(cls): pass**

#### **Section 3: OOP Concepts (3 Questions)**

1. **C) Compilation**
2. **B) A child class providing a specific implementation of a method that is already defined in its parent class.**
3. **B) Child class**

### **Advanced Concepts (12 Questions)**

#### **Section 1: Decorators (3 Questions)**

1. **A) A function that modifies another function’s behavior without changing its code**
2. **C) Prints "Before function call", "Hello!", "After function call"**
3. **D) Both B and C**

#### **Section 2: Generators (3 Questions)**

1. **A) 1 2**
2. **A) return sends back a value and exits, while yield saves the function state and continues**
3. **B) It raises a StopIteration exception**

#### **Section 3: Iterators (3 Questions)**

1. **B) iter() and next()**
2. **A) 1 2**
3. **D) All of the above**

#### **Section 4: Iterator vs Generator (3 Questions)**

1. **D) All of the above**
2. **A) True**
3. **B) Iterators can be reset to the beginning**

### **Python – Production Level (8 Questions)**

#### **Section 1: Docstrings (2 Questions)**

1. **B) To document the purpose and usage of a function, class, or module**
2. **B) function\_name.doc**

#### **Section 2: Error Handling in Python (2 Questions)**

1. **C) Cannot divide by zero!**
2. **C) It always executes, regardless of whether an exception occurs or not.**

#### **Section 3: File Handling in Python (2 Questions)**

1. **A) Hello, Python!**
2. **B) file.readline()**

#### **Section 4: Modularization in Python (2 Questions)**

1. **B) To improve code reusability and maintainability**
2. **B) from math\_operations import calculate**