**ORCHID INTERNATIONAL COLLEGE**

**SET A**

**Full Marks: 60**

**Time: 3 Hrs**

**Bijaychowk, Gaushala-9, Kathmandu**

**Pre-Board Examination -2080**

**BIM /Fourth Semester / IT 237: Web Programming – II**

***Candidates are required to answer the question in their own words as far as practicable.***

# Group "A"

# 

**Brief Answer Questions: [10×1=10]**

1. What does PHP stand for?
2. Define a constant in PHP.
3. What is the purpose of the break statement in PHP?
4. How do you include another PHP file within your current PHP file?
5. What is the difference between include and require in PHP?
6. Name any three superglobal variables in PHP.
7. What is the purpose of the $\_SESSION superglobal in PHP?
8. How do you define a class in PHP?
9. Explain the purpose of a constructor in PHP classes.
10. What is the difference between abstract classes and interfaces in PHP?

**Group "B"**

**Exercise Problems: (attempt any FIVE) [5×3=15]**

1. Explain the difference between a for loop and a foreach loop in PHP.
2. Discuss the importance of exception handling in PHP.
3. How do you start and end a session in PHP?
4. How do you retrieve form data in PHP after submitting a form?
5. Discuss the usage of static methods and properties in PHP classes.
6. How do you declare and initialize an associative array in PHP?

**Group "C"**

**Comprehensive Answer Questions: (attempt any THREE ) [3×5=15]**

1. Discuss the various data types supported by PHP.
2. How do you perform file reading and writing operations in PHP?
3. Explain the concept of namespace in PHP classes with example.
4. Implement a PHP class hierarchy representing different shapes (e.g., circle, rectangle) with methods for calculating area and perimeter.

### Group “D”

**Comprehensive Questions**

**Attempt any TWO questions: [ 2×10 = 20]**

1. Develop a PHP web application that allows users to create and read records from a database table using HTML forms for input.
2. Develop a PHP web form that allows users to upload an image file, validates it, and saves it to a specified directory on the server.
3. What do you mean by web framework ? Discuss the advantages of web framework. Describe any one any one web framework tha

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**SET B**

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# Group "A"

# 

#### Brief Answer Questions: [10×1=10]

1. What is the purpose of a PHP comment?
2. How do you output text in PHP?
3. Explain the difference between a variable and a constant in PHP.
4. What are the types of loops available in PHP?
5. What is the use of the continue statement in PHP?
6. Name any two array functions in PHP.
7. What is the purpose of OOP in PHP?
8. How do you handle file uploads in PHP?
9. What is the purpose of HTTP authentication?
10. How do you end a PHP session?

**Group "B"**

**Exercise Problems: (attempt any FIVE) [5×3=15]**

1. Discuss the importance of control statements in PHP.
2. Explain the difference between a numerically indexed array and an associative array in PHP.
3. How do you handle exceptions in PHP?
4. Discuss the significance of access modifiers in PHP classes.
5. Describe the process of retrieving and processing form data in PHP.
6. Explain the concept of inheritance and how it is implemented in PHP.

**Group "C"**

**Comprehensive Answer Questions: (attempt any THREE ) [3×5=15]**

1. How do you define and use functions in PHP?
2. Explain the process of including and requiring files in PHP.
3. Discuss the basics of regular expressions and their usage in PHP.
4. Implement a PHP class hierarchy representing different types of vehicles (e.g., car, motorcycle) with methods for displaying their fuel efficiency and range.

### Group “D”

**Comprehensive Questions**

**Attempt any TWO questions: [ 2×10 = 20]**

1. Design a PHP web application that allows users to search and filter products from a database based on various criteria.
2. Design a PHP web application that allows users to register their profile . Make all the necessary validations required while collecting data.
3. What do you mean by web framework ? Discuss the advantages of web framework. Describe any one any one web framework that you know.