**ORCHID INTERNATIONAL COLLEGE**

**SET A**

**Full Marks: 60**

**Time: 3 Hrs**

**Bijaychowk, Gaushala-9, Kathmandu**

**Mid Terminal Examination -2081**

**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 is var\_dump()?
2. Define array.
3. Write an example of any one Comparison Operators.
4. Define objects with syntax.
5. What is a constructor?
6. Write an example of strtoupper() function.
7. What is a user defined function?
8. What is the purpose of htmlspecialchars()?
9. How can you delete cookies?(Syntax)
10. Define framework?

Group “B”

**Attempt any five questions.**   **[5×3=15]**

1. Create two arrays having their size as 4 each. Then display the sum of all the numbers of these arrays.
2. Explain regular expressions with examples.
3. How do you set and get cookies in PHP?
4. Discuss some benefits of server-side frameworks.
5. Explain any three operators with examples.
6. What is class? Explain with an example.

**Group "C"**

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

1. Define Interfaces? Explain with an example.
2. Create a PHP script that checks the strength of a password based on certain criteria (length, presence of uppercase letters, digits, and special characters).
3. Write a php script that takes two form inputs from the user and then store it into a file.
4. Create a base class called Animal with a method makeSound(). Then create two subclasses, Dog and Cat, which override the makeSound() method with specific implementations ("Bark" for dogs and "Meow" for cats). Write a script to demonstrate polymorphism by calling the makeSound() method on instances of both subclasses.

**Group “D”**

**Comprehensive Questions: [ 2×10 = 20]**

1. Write a server-side script in PHP to illustrate inserting and retrieving data to and from the database table. Create required connections using your own assumptions. Use HTML form having name, email, gender and feedback input files to insert and display data.
2. Write advantages of arrays. Explain the types of array with an example of each.

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**SET B**

**Bijaychowk, Gaushala-9, Kathmandu**

**Full Marks: 60**

**Time: 3 Hrs**

**Mid Terminal Examination -2081**

**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 is PHP?
2. How do you find the length of a string?
3. What is the use of trim()?
4. Purpose of include in php with syntax.
5. Write an example of the strtolower() function.
6. What are properties in OOP?
7. Define static properties.
8. Write at least two PHP framework names?
9. What is an access modifier?
10. Write the syntax function of session strat, end and destroy?

Group “B”

**Attempt any five questions.**   **[5×3=15]**

1. Write a php program to copy content of one text file to another.
2. Write benefits of using framework.
3. Explain HTTP authentication with an example
4. How do you set and get cookies in PHP?
5. Write a PHP program to create a multidimensional array that holds the cities of districts in Kathmandu valley such as Kathmandu (Newroad, Durbar Marg, Thamel) Lalitpur(Patan, Jawalakhel, Kupandole) Bhaktpur(Durbar Square, suryabinayak). Then display the contents of the array.
6. How do you define a class in PHP? Explain with suitable examples.

**Group "C"**

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

1. How do you access user credentials from PHP?
2. What is a file? write a program to write values taken from a user to a file.
3. How do you handle exceptions in PHP?
4. Write a PHP class called Book with properties for title, author, and price. Include methods to set and get these properties. Then, create an instance of the Book class, set its properties, and display its details.

### **Group “D”**

**Comprehensive Questions: [ 2×10 = 20]**

1. Write a server-side script in PHP to illustrate inserting and retrieving data from the database table. Create required connections using your own assumptions. Use HTML form having name, email, comment and gender to insert and display data.
2. What are the benefits of using arrays? Write a program to display the sum and average of 10 numbers stored in a PHP array. Why do we need associative arrays? Explain with an example.