**Asian School of Management and Technology**

(Affiliated to Tribhuvan University)

Gongabu, Kathmandu

**Full Marks: 60**

**Time: 3 Hrs.**

**SET B**

**Preboard Examination 2080**

**BIM / Fourth Semester / IT 239: Web Technology**

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

**Group A**

**­­ Brief Answer Questions: [ 1 x 10 = 10]**

1. Why PHP is called loosely type programming language?
2. What is the use of ltrim() and rtrim()? Give example
3. Why we need print\_r() although we have print and echo?
4. What is the use of abstract class? Explain
5. What is destructor in OOP?
6. What is the use of a+ and x+?
7. What do you mean by mysqli\_insert\_id()?
8. What is cookie? List cookie super global variable
9. Write command in any server side framework for migrating the database.
10. Explain anonymous function

**Group B**

**Short Answer Questions: (Attempt any Five Questions) [ 5 x 3 = 15]**

1. How can you catch MySQL error in PHP? Explain with a program code.
2. Write a program to generate which week day (SUNDAY-SATURDAY) is on 2020-january-1st .
3. Write a program in PHP to inset data from MYSQL table to CSV file.
4. Define Associative array. Write a program to explain multidimensional associative array.
5. What is cookie? Create cookie which store username and password and display them in next page.
6. Explain MVC architecture used in Laravel framework also relate your explanation with directory structure of Laravel.

**Group C**

**Long Answer Questions: (Attempt any Three Questions) [ 3 x 5 = 15]**

1. What is php traits. How can you implement multiple inheritance in php?
2. Write a program to create a session that expires after 5 minutes. (\* hints use date difference logic)
3. Describe the role of parameterized query and prepared statement in SQL injection.
4. Write a php program that display how many times "nepal" (in any case upper/lower) occurs in a string given by user. (\*Do not use direct built-in function).

**Group D**

**Comprehensive Answer: (Attempt All) [ 2 x 10 = 20]**

1. Create an interface “Payment Gateway” with methods for processing payments. Implement this interface in two different classes to simulate different payment gateways. Use try catch in all methods of each class.
2. WAP to create a form that contains username, email, password, confirm password and a submit button. When user presses the submit button validate the following

* All fields are required.
* Username must not include other than character and should not be greater than 6 digits long.
* Email must be valid
* Password must be at least 8 digits and contains at least one special character and confirm password must match to the password.

After validation store the information in database table with following credentials

Servername =‘www.bimiv.com’  
username= “bimiv”  
password=”T3$+@!12h%a”  
database=”asian”  
table=”user”

\*\*\*\*\*\*