INSTRUCTION: Answer Only **Three (3)** Questions from**SECTION A** and **ALL QUESTIONS**in **SECTION B**.
TIME ALLOWED: 2 HRS

SECTION A

1. Compare GET and POST in terms of method of sending information, usage, and limitations.

   b) Give a detailed but simple example in both cases to illustrate the usage.

2. a) What is a Superglobal variable? Give 3 examples.

   b) What is a Static variable? Give a detailed example to illustrate its usage.

3. a) What are the components of a typical "N-Tier" Architecture?

   b) What is the significance of "Tiers" in N-tier architectures?

   c) Describe succinctly the architecture principles of a typical three-tier architecture (Use Diagrams where appropriate).

4. a) Outline five (5) differences between constants and variables in php.

   b) Briefly outline three (3) features of each of the layers in three-tier architecture.

SECTION B

1. What is printed for the echo statements I, II and III below?

```php
<?php
$a = 'script';
    $$a = 'writing';
echo"$a ${$a}";          //I
echo "$a $writing";      //II
echo "$a $script";       //III
?>
```

   Briefly explain your answer

2. Consider the following SQL statement.

```
SELECT * FROM MY_TABLE
```

   Give two different ways you can limit the amount of data returned by it?

3. Write a php function that will compute the sum of two numbers given as an input to it. Within your document call your function with specified input numbers and output the result to the document.

4. The _____ statement can be used to add a new row to an existing table.

5. The _____ function is used to read a single line from a file and is used when dealing with text files.

6. Although file resources will automatically be closed at the end of a request in PHP, you can close them explicitly by calling the _____ function.

7. Which parameters would you pass to fopen() in order to open a file for reading and writing?

8. What does the DESC keyword do in the following query?

```
SELECT *
FROM MY_TABLE
WHERE ID > 0
ORDER BY ID, NAME DESC
```

9. Which function is specifically designed to write a string to a text file?

10. Describe thephptime()function?

11. What will the following script output on a Windows machine?

```
<?php
echomktime (0, 0, 0, 11, 11, 1952); // November 11, 1952
?>
```

12. Array values are keyed by _____ values (called indexed arrays) or using _____ values (called associative arrays). Of course, these key methods can be combined as well.

13. What is the construct used to define the blueprint of an object called?

14. A class can be built as an extension of other classes using a process known as inheritance. In PHP, how many parents can a child class inherit from?

15. Which phpoperator returns True if either of its operands can be evaluated as True, but not both?

16. How does the identity operator === compare two values?

17. Which function is used for terminate the script execution in PHP?

18. What will be the output of PHP code below?

```
<?php
$str = "3naira";
$a = 20;
$a += $str;
print($a);
?>
```

19. Which language construct can best represent the following series of if conditionals?

```
<?php
        if($a == 'a') {
                somefunction();
        } else if ($a == 'b') {
                anotherfunction();
        } else if ($a == 'c') {
                dosomething();
        } else {
                donothing();
        }
?>
```

20. Rewrite the code above using the language construct in you answered to question19 above.

GOODLUCK