# Federal University of Technology Minna
## School of Information and Communication Technology
## Department of Information and Media Technology
## 2012/2013 Second Semester Examination

**Course Title:** Web design and Internet Application – 2units     **Course Code:** IMT224     **Time Allowed:** 2 hours

**Instruction:** Answer only One (1) question in Section A and three (3) questions in Section B.

## SECTION A (Answer only ONE (1) Question in this section)

### Question 1

a.   What are the differences between HTML and XHTML?

b.   Write a basic HTML Structure.
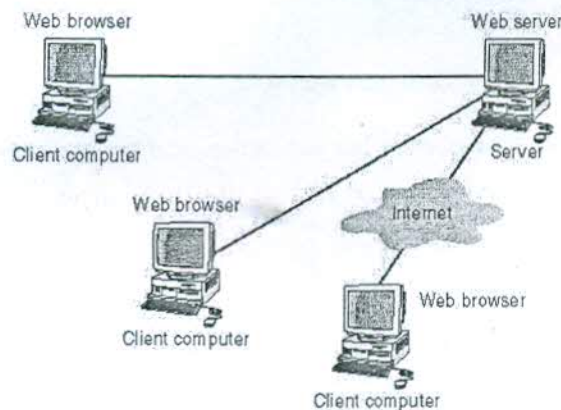
c.   With an example, show the use of <PRE> tag in HTML.

### Question 2

a.   What is the difference between ID and class identifiers?

b.   What is <p> tag use for in html?

c.   When do you use a header tag in html?

## SECTION B (Answer only THREE (3) Questions in this section)

### Question 1

a.   Write a script to add up 102 and 164 and then subtract 54 from the two numbers added. Use an *echo statement* to output your answer.

b.   Use a php command to display the output of (1a) in this format: "The sum of the 3 numbers equals:"

c    What is the name of the command you use in (1b) above?



d.   The above diagram illustrates how web works. Explain (in ten (10) sentences) with examples how the concept of request and response line works when accessing the web.

e.   Distinguish between *echo* statement and *print* statement in php script.

### Question 2

a.   Differentiate between a websites address with www. prefix and a website address without the www.prefix?

b.   Write a script to add two numbers. Then subtract the answer from 100. Note the second number is 45 and the final output of this equation is 40. What is the first number and you are to use a *print statement* to output your answer.

c.   Compare the output of the following scripts, if first number = 20, second number = 30, third number = 10 and forth number = 2:

   (i)     $sum_total = $third_number + ($second_number * $first_number)/ $forth_number;

   (ii)    $sum_total = ($third_number + $second_number) * $first_number / $forth_number;

d.   Explain with appropriate illustration the concept behind 2c.

*Please Turn Over*

## Question 3

a. Given two (2) variables are "admitted" and "not admitted". Write a php script that will display "Congratulation you have been offered admission" if the conditional statement is TRUE. But if otherwise your script should display "We are sorry you are not admitted" or "We are sorry, you are not currently on our admission list" as the case may be.

b. List and explain the different types of errors in PHP.

c. In recent email standard protocol, SMTP and POP are interchangeably used but IMAP is gradually replacing POP, explain in (five (5) sentences) the concept of email protocols.

## Question 4

a. In concise and clear term, explain (in four (4) sentences) how the script below will be executed.

```php
$username ='enagi';
$password ='sango123';
if ($username ==' enagi ' && $password ==' sango123') {
        print("Welcome back!");
}
else {
        print("Invalid Login Detected");
}
```

b. Arrange and define each of these logic operators in ascending order of execution in a php script: XOR, &&, !, OR, ||, AND.

c. In not more than four (4) sentences explicate what and how the script below will be executed:

```php
$contestant_one = true;
$contestant_two = true;
if ($contestant_one XOR $contestant_two) {
        print("Only one winner!");
}
else {
        print("Both can't win!");
}
```

d. Elucidate (in ten (10) concise sentences) what you understand by .htaccess and how it works.