FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

SECOND SEMESTER 2015/2016 EXAMINATION

COURSE CODE:	IMT221
COURSE TITLE:	Web Design with ASP
CREDIT UNITS:	2
TIME ALLOWED:	2Hours
COURSE LECTURER(S):	Mr. H. A. Zubairu
NUMBER OF QUESTIONS:	5
NUMBER OF PAGES:	4 (INCLUDING THIS PAGE)

INSTRUCTIONS

- Answer all questions
- Do **not** use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone
- Please use non-programmable calculators only

1 (a) Discuss any three (3) types of ASP objects? (**6 marks**)

  (b) In a tabular form, highlight the difference between ASP and HTML? (**2 marks**)

  (c) Outline four (4) substantial reasons why ASP is considered a better option than HTML? (**2 marks**)

2 (a) What is Global.asa file? (**2 marks**)

  (b) Briefly explain each of the following

    (i) <script> tag

    (ii) Option Explicit

    (iii) Procedures

    (iv) Sub

    (v) Const. (**5 marks**)

  (c) Differentiate between IIS and PWS (**3 marks**)

3(a) What will be the output of the ASP code below? (**1 mark**)

```
<%
Dim ayi = '4'
Dim y = 20
Y+=ayi
Respons.write(y)
%>
```

(b) What is the output of the ASP code below and why? (**2 marks**)

```
<%
Sub X()
Dim y
y = 3
End sub
Dim y = 1
Response.write(y)
%>
```

(c) What is the output of the following code below and why? (**2 marks**)

```
<% Dim iVar
iVar = 3
iVar = 5
Response.write(y)
%>
```

(d) How many output does the code below produce? List them, by assuming the role of a server (**3 marks**)

```
%>
Arr=Array(25,14,20,45,25,4,1,31)
max=ubound(Arr)
For i = 1 to max step 2
Arr[i]= 10*Arr[i]
Response.write (Arr(i) & "<BR>")
Next   %>
```

(e) What is the output of the following code? Clearly your steps to the final output **(2 marks)**

```
<%
Dim iCount
iCount = 3
iCount+= iCount
iCount -= iCount
iCount++
Response.write(iCount)
%>
```

4(a) As a student of IMT221, a web design class, you have been asked to create a login page as shown in figure 1. The form should be process by http://localhost/webpages/test.asp and it should be send vie the Get method.
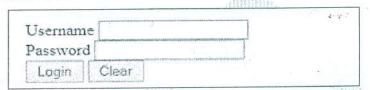
Username [   ]
Password [   ]
[Login] [Clear]

Figure 1: Login form

   i.   Write the HTML codes that creates the form as shown in figure 1 **(5 marks)**
   ii. Write an ASP script to validate username and password. If username and password are correct then show message "welcome to the world of ASP" If either username or password is not correct then show message "Invalid Username or password" **(5 marks)**
   iii. Write an ASP script to disallow user from submitting empty value(s) **(3 marks)**

(b) Which language construct can best represent the following series of if conditional? **(1 mark)**

```
<%
           if($a == 'a') {
                  Then
                      dosomething
           } else if ($a == 'b') {
                      doanotherthing
           } else if ($a == 'c') {
                      anotherthing
           } else {
                      invalidoption
           }
       End If
%>
```

(c) Rewrite the code above using the language construct in your answered to question 4(b) **(4 marks)**

5(a) Write an ASP 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 marks**)

(b) Write an ASP statement to sum the prime numbers between 1 and 30, using a for loop structure. Assume that the integer variables **sum** and **icount** have been declared. (**3 marks**)

(c) Write an ASP statement that generates a set of even numbers between 1 and 50, using a while loop structure. (**5 marks**)

Good Luck