Federal University of Technology, Minna
School of Information and Communication Technology
Department of Information and Media Technology
Second Semester Examination

Course Title: Web based Internet Applications (IMT 221)   **Time Allow**: 2hrs

GENERAL INSTRUCTION: The paper contains two sections (A and B)

SECTION A: Attempt any **three (3)** questions in this section.

1(a) Name the characters generated by these character entities: ©, ™. (1 mark)

(b) Write the code that mark up the content of your document like this $log_{10} = 1$. (1mark)

(c) Where does the content in the TITLE and BODY tag elements appears on the web page? (1 mark)

(d) What is a browser and how is the variety of browsers in us, affects you as a web designer? (3marks)

(e) Write a codes to create a form and use checked box buttons to represent the academic qualification types for B.sc, M.sc and PhD. Why would checked box be useful for this purpose? (4 marks)

2(a) Differentiate between absolute and Relative path. (2marks)

(b) Identify the various part of the style rule: #shabab {font-size:2em;}. (2 marks)

   Selector_____ value_____ property_____ Declaration_____

(c) What does the term "cascading" mean with reference to style sheets? (2 marks)

(d) What is the difference between a tag and an element? (2 marks)

(e) What's the difference between a block quote and a q tag? (2marks)

3(a) Create an (X)HTML document that has two frames in one row (3 marks)

(b) What image attributes should always be set? Why? (2 marks)

(c) What is lossy compression? What effects does it have on image file? (2 marks)

(d) Differentiate between physical formatting tag and logical formatting tag. (2 marks)

(e) Write the basic structure of HTML document. (1 mark)

4(a) Write a program using JavaScript to find the square root of any positive number. (6marks)

(b)Why is it good to use JavaScript to check the validity of form inputs before the form data is sent to the server? (2 marks)

(c) Explain cell spacing and cellpadding. (2 marks)

...contains two parts (I and II). You are to answer any one question in part I and all the que
part II. All the questions in PART II carries 1mark each.

PART I

1(a) Discuss Active Server Pages? (2marks)
   (b) Mention the types of cursor types and lock types we have in ASP (2marks)
   (c) State the differences between how ASP file is executed and how html file is executed (1mark)
   (d) Outline the steps involved in setting up IIS on your windows environment.(3marks)
   (e) Create a cookie having your Name, your age and your ID and retrieve the value of the cookie named
     "ID" and display it on a page. (2marks)

2(a) Differentiate between a session variable and an application variable (2marks)
   (b) Explain the ADO Execute method (3marks)
   (c) Explain OLEDB AND ODBC? (3marks)
   (d) What is the difference between DSN and DSN-less Connection? (1mark)
   (e) What are the two ways that you can add record to the database? (1marks)

PART II

1. An Active Server Page runs only on IIS web server? True [✓] False [ ]
2. An ASP page and HTML page works exactly the same way from the server point of view? True [ ] False [✓]
3. ___.asp___ is the extension you use when saving asp file?
4. To declare variables accessible to more than one ASP file, declare them as _session_ and _Application_
5. You can define constants using the ___CONST___ keyword.
6. One of the following is not part of ASP Script syntax?
   [a] Server-side include [b] ASP Comments   [c] ASP Variable   [d] Modulus
7. A valid variable name can be the same as a reserved word of built in functions, procedures, and objects.
   True [ ] False [✓]
8. Empty and Null are two types of special values in ASP (True/False)
9. Which has higher operator precedence: [a]Multiplication (*) operator [b] Division (/ \) operators? _same_
10. Name-value pairs sent in the URL (or from a form sent via "method=get") end up in... Collection
11. Session and Application variables are stored in ...Collections. (Contents collection)
12. Global.asa file can contain any of the following EXCEPT?
   [a] Application events   [b]Response.Write() [c] <object> declarations [d] Type Library declarations.
13. SQL Statements are important for manipulating MSAccess database records in ASP(True/False)
14. Which of the following is the correct syntax for opening a record set Object .
   [a] rs.Open "SELECT * FROM Customers", conn [b] rs.Open conn "SELECT * FROM Customers" [c] A and B
15. We use the SQL _INSERT_, SQL _UPDATE_ and the SQL _DELETE_ for inserting, updating and deleting
   records in a table in a database respectively.
16. If you have the following code in your ASP Script:

   strProvider = "Driver={Microsoft Access Driver (.mdb)}; DBQ= c:/webdata/northwind.mdb;" is an example of a DSN
   connection for Microsoft Access.*

   then you are using a DSN connection and NOT a DSN-less connection (True/False)
17. It is ...lock type... that determines what kind of record locking (or concurrency) your record set will have.
18. The default cursor type is   [a]Keyset cursor [b] Dynamic cursor [c] Forward-only cursor [d] Static cursor
19. We set our cursor type and lock type when opening our Record Set Object (True/False).
20. _____ is the reason why you Close the Record set Object and the Connection Object and set them to
   nothing after using them?