

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)

SECTION B

This section contains two parts (I and II). You are to answer any one question in part I and all the questions in 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 _____ is the extension you use when saving asp file?
- 4 To declare variables accessible to more than one ASP file, declare them as ___ and ___
5. You can define constants using the _____ 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?
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.
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 -----, SQL ----- and the SQL ----- 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 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?