

Q5. Attempt any *two* parts of the following : 10x2=20

- (a) What is the functionality of JSP? What are the advantages of JSP over various server side programming techniques? How does JSP handle runtime exceptions?
- (b) How event handling is done in Java Script? Write a program to create an applet, window completely black in colour to start with that becomes brighter and brighter as you go on clicking the mouse.
- (c) Write short notes on the following :
- i) VB script
 - ii) PHP
 - iii) Dynamic Page/ Active Page
 - iv) AJAX
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Printed Pages : 4



NMCA412

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 214426

Roll No.

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MCA

(SEM. IV) THEORY EXAM. 2014-15
WEB TECHNOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : Attempt the questions as indicated.

Q1. Attempt any *four* parts of the following : 5x4=20

- (a) Discuss the responsibilities of web team member.
- (b) What are the different types of lists available in HTML? Give an example of each type.
- (c) Write short notes on the following :
- i) DNS
 - ii) Traditional Project Vs. Web Project
- (d) Develop a simple JSP application that accepts the user's

age and display a message according to the following rules :

- i) Age < 15 : Message : You are Kid!
- ii) Age between 16 and 40 : You are Young!
- iii) Age above 40 : You are Old!

(e) What is XML Schema? Compare XML Schema and XML DTD with neat example.

Q2. Attempt any *two* parts of the following : 10x2=20

- (a) Give the introduction to PHP. What are the benefits of PHP? Write the code to demonstrate array handling (i.e. numeric, associative and multidimensional).
- (b) What are Servlet Config and Servlet Context interfaces? Differentiate them. Also write suitable examples for accessing INIT and CONTEXT parameter.
- (c) Create a web page using HTML having frames as follows :

Your Name Punch line etc.		
<u>Objective</u>	Display Informa- tion hear of se-	Display relevant image here
<u>Personal Information</u>	lected link	
<u>Family Information</u>		
<u>Educational Information</u>		
<u>Experience</u>		
<u>Achievements</u>		

The frame which include Objective, Personal Information, etc., are the hyperlinks. Display the relevant information in the next frame as selecting the link. The colour scheme of hyperlinks should be as follows :

default-green; active-red; visited-blue

Q3. Attempt any *two* parts of the following : 10x2=20

- (a) Explain on how ASP involved in developing online application with an example.
- (b) Explain the properties and concepts of CSS and its uses with an example.
- (c) Discuss in detail about Java Script. Write a Java Script program to find largest among 5 numbers.

Q4. Attempt any *two* parts of the following : 10x2=20

- (a) What are the two methods in Ajax to update part of Web Page? Describe them in detail.
- (b) What is AJAX? Explain the role of AJAX in the website development.
- (c) What is COM/DCOM? Make the difference table for COM and DCOM. Also describe the importance of COM/DCOM in making commercial website.