Printed Pages : 3

CA404

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

PAPER ID : 214404

Roll No.

M.C.A.

(SEM. IV) THEORY EXAMINATION, 2014-15

WEB TECHNOLOGY - 2

Time : **3** Hours]   [Total Marks : **100**

Note:(1)   All questions are compulsory.

(2)   All questions carry equal marks.

1   Attempt any four parts of the following: (5×4=20)

(a)   What are the key features of EJB technology?

(b)   What is MVC? Explain the role of MVC-2 in JSP.

(c)   What is J2EE container? Explain with J2EE architecture.

(d)   Write directory structure is needed to deploy a servlet.

(e)   How to use Servlets in your web application? Explain life cycle of servlet.

(f)   Differentiate between active & Passive security attacks.

2   Attempt any four parts of the following: (5×4=20)

(a)   Give introduction of Java Message Service (JMS). Explain JMS architecture.

(b)   List various types of attacks on internet. Explain it.

(c) What do you mean by Virtual Private Networks (VPN)?

(d) What are the advantages of using JSP over serviet?

(e) What is Cookies? Write a PHP program to set cookies.

(f) Explain the characteristics of PHP.

3 Attempt any two of the following: (10×2=20)

(a) What is servlet? Write the life cycle of servlet with proper diagram. Also write a program in servlet to perform select operation in database.

(b) Write down the steps for writing JMS clients (Sender and receiver).

(c) Discuss various types of data types in MYSQL. Write a PHP code to insert and retrieve data in MYSQL database.

4 Attempt any two parts of the following: (10×2=20)

(a) What is security threat and attacks ? How can we protect our self from these attacks?

(b) What isJ2EE? What are various technologies that come underJ2EE? Discuss any two of the with example.

(c) What do you understand by ASP? What are its advantages and disadvantages? How ASP is different from ASP.net?

5   Attempt any two parts of the following: (10×2=20)

   (a)   Differentiate various types of beans in EJB. Write a program to create a stateful session bean.

   (b)   What do you mean byJSP? Explain the Architecture of JSP. How JSP provides performance ?

   (c)   What is ServletConfig and ServletContext interfaces? Differentiate them. Also write suitable examples for accessing INIT and CONTEXT parameter.

———————