DE-1321
M. Sc. (Comp. Application) (Sem. I) Examination
March/April – 2016
105 : Web Based Programming Using Java

Time : 3 Hours] [Total Marks : 70

Instruction :

1 : Do as directed (Any 2) [14]
(a) Explain role of application server in implementation of web application.
(b) Explain benefit of sharing connection pools in java web based applications.
(c) Explain use of java.util.Locale for implementation of Java's internationalization API.

2 : Do as directed (Any 2) [14]
(a) Explain role of servlet as middle tier.
(b) What is strut tile? Also explain benefits of developing an application with strut tiles.
(c) Explain following in brief.
   a. BatchUpdateException
   b. Handling null fields
   c. DataTruncation
   d. JDBC API

3 : Do as directed (Any 2) [14]
(a) Explain implementation of session and cookie by taking suitable example.
(b) Explain servlet life cycle. Also explain role of web.xml and server.xml in the execution web application.
(c) Explain various JSP tags and components.
4  : Do as directed (Any 2)  
(a) Explain Strut validator framework.  
(b) Explain action mapping along with strut controller with help of example.  
(c) Where do we use Session Bean? State difference between stateless and stateful session bean.

5  : Do as directed. (Any 2)  
(a) Explain EJB architecture.  
(b) Explain entity bean life cycle with its important methods.  
(c) Explain working of HttpServlet Request and HttpServletResponse by taking suitable example.