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Total Number of Pages : 01

B.Tech
PCS5J101

5th Semester Regular / Back Examination 2018-19

ADVANCED JAVA PROGRAMMING

BRANCH : CSE

Time : 3 Hours

Max Marks : 100

Q.CODE : E215

Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and any two from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Short Answer Type Questions (Answer All-10) (2 x 10)

- a) Differentiate between UDP Packet and TCP packet.
- b) How does servlet different from an applet?
- c) What is the different between doGET() and doPOST()?
- d) What are the advantages of JSTL?
- e) Write some of the facelet tags.
- f) What are the types of dependency injection spring supports?
- g) List out some advantages of using JSP.
- h) How to update an attribute in session in servlet?
- i) How can we set null value in JDBC preparedstatement?
- j) What are the features of XML?

Part- II

Q2 Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- a) Discuss the steps involved in creating the client and server side of a socket.
- b) What is HTML? Explain common HTML tags with example.
- c) Explain the features of different types of JDBC drivers.
- d) Write a java program to insert, delete, update and retrieve data from database using JDBC connection.
- e) Define servlet. Briefly explain the phases of servlet lifecycle.
- f) Explain cookies are used in servlets with an example program.
- g) What is the use of action component of STRUTS? Write and explain various component of action component.
- h) Explain CGI and it's working. Write disadvantages of CGI.
- i) Explain error handling mechanism in JSP.
- j) Define SOAP and explain in details about it.
- k) How does JNDI relate to Netscape's java LDAP API?
- l) Write about web services in AJAX.

Part-III

Long Answer Type Questions (Answer Any Two out of Four)

- Q3**
 - a) Write a java program to send and receive a mail using socket. (8)
 - b) Explain the steps involve to connecting java application and database. (8)
- Q4**
 - a) Differentiate between statement, prepared statement and callable statement objects with suitable example. (8)
 - b) Explain the deployment of servlet step by step in tomcat server. (8)
- Q5** What is the importance of hibernate mapping file? Explain with suitable example. (16)
- Q6**
 - a) What is JSP? Explain JSP application design with MVC architecture. (8)
 - b) Write a servlet that will display whether the number entered by user is odd or even. (8)