$Nov - 15$

SEAT No. :

[4861]-301

[Total No. of Pages :2

S.Y.M.C.A. (Engg.)
ADVANCED JAVA
(Semester-III) (2013 Course) (410901)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

1) *Neat diagrams must be drawn wherever necessary.*

2) *Figures to the right side indicate full marks.*

3) *Assume suitable data if necessary.*

Q1) What is J2EE? Explain the J2EE Components.   [8]

OR

Q2) What is JDBC? Explain types of JDBC Drivers.   [8]

Q3) What is servlet? Write short notes on any 2 of following: [8]

    a)   HttpServlet

    b)   GenericServlet

    c)   ServletConfig

OR

Q4) What is servlet life cycle? Explain any 2 of the following in context to servlet:[8]

    a)   Request

    b)   Response

    c)   Session Management

Q5) Write a JSP program to accept studentId via POST and display the record of the student in HTML table. Assume suitable RDBMS, table name and fields.[9]

OR

Q6) Write short notes on any 3 of following. [9]

    a)   JSP Implicit Objects

    b)   Tag Libraries

    c)   JSP expression

    d)   JSP Exception Handling

Q7) What is Enterprise Java Beans? Write down the advantages of EJB. [8]

OR

Q8) What is session beans? Write short notes on any 2 of following: [8]

    a)   Message Driven Beans

    b)   Entity Beans

    c)   Stateful Bean Lifecycle

Q9) What is Spring ? Explain the core spring module. [8]

OR

Q10) Write short notes on any 3 of following in context on spring. [8]

    a)   JMX

    b)   Remote Services

    c)   Spring MVC

Q11) What is Hibernate? Explain Hibernate architecture and features. [9]

OR

Q12) What is HQL? What do you mean by externalizing queries? [9]

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