B. Sc. (IT) (Sem. V) (CBCS) Examination

February - 2019

CS-26 : Advance Java Programming

Faculty Code : 003
Subject Code : 0004502

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   (A)   Objective type Questions :   4
      (1)   Give the full form of RMI.
      (2)   Which packages contain the JDBC classes?
      (3)   Which method is used to load JDBC driver in the memory?
      (4)   Which driver converts all JDBC calls into ODBC calls?

   (B)   Answer in brief : (Any **One** out of Two)   2
      (1)   Give the difference between Stub and Skeleton.
      (2)   List connectivity steps for JDBC.

   (C)   Answer in brief : (Any **One** out of Two)   3
      (1)   Explain three methods of Statement interface.
      (2)   Give the difference between Statement and PreparedStatement interface.

   (D)   Answer in brief : (Any **One** out of Two)   5
      (1)   Explain RMI Architecture.
      (2)   Explain types of JDBC drivers.

2   (A)   Objective type Questions :   4
      (1)   List name of packages of Servlet API.
      (2)   While file in web application is known as Deployment Descriptor?
      (3)   Which method returns current session object?
      (4)   List session tracking approaches.

(B) Answer in brief : (Any **One** out of Two)   2
  (1) Explain setContentType() method.
  (2) Describe Hidden form field.

(C) Answer in brief : (Any **One** out of Two)   3
  (1) Explain Servlet Life Cycle.
  (2) Explain the terms : Role of Web container,
      Deployment Descriptor, Content Type

(D) Answer in brief : (Any **One** out of Two)   5
  (1) Explain Cookies class of Servlet API.
  (2) Explain HttpSession interface.

3 (A) Objective type Questions :   4
  (1) List interfaces of Filter API.
  (2) State True/False: The Servlet Filter is pluggable.
  (3) A _____ is an object that is invoked at the
      preprocessing of request and post processing of a
      response.
  (4) The _____ package contains the interfaces of
      Filter API.

(B) Answer in brief : (Any **One** out of Two)   2
  (1) List Listener interface.
  (2) Role of FilterChain interface.

(C) Answer in brief : (Any **One** out of Two)   3
  (1) Explain Advantages and usages of the Filter API
      in Servlet.
  (2) Describe methods of ServletContextListener
      interface.

(D) Answer in brief : (Any **One** out of Two)   5
  (1) Explain Filter interface with example
  (2) Explain methods of HyypSessionListener interface
      with example.

4 **(A)** Objective type Questions : **4**

       (1) _____ directive is used to specify attributes for the whole JSP page.

       (2) Which scope is the most restrictive in JSP?

       (3) _____ and _____ methods are used to read and write properties in JavaBean.

       (4) _____ is implicit object to handle Exception in JSP.

    (B) Answer in brief : (Any **One** out of Two) **2**

       (1) Explain JSP Expression tag with example.

       (2) Explain JSP Declaration tag with example.

    (C) Answer in brief : (Any **One** out of Two) **3**

       (1) Explain JSP Architecture.

       (2) Explain <jsp: useBean> tag.

    (D) Answer in brief : (Any **One** out of Two) **5**

       (1) List implicit objects of JSP and explain any five.

       (2) Explain scope of the JSP objects.

5 **(A)** Objective type Questions : **4**

       (1) Full form of MVC is _____

       (2) Full form of EL is _____

       (3) Full form of JSTL is _____

       (4) List implicit objects of EL.

    (B) Answer in brief : (Any **One** out of Two) **2**

       (1) Explain working method of forward() of RequestDispatcher interface.

       (2) Explain <C:forEach> tag of JSTL.

(C) Answer in brief : (Any **One** out of Two)   **3**

   (1) Explain MVC architecture for Java web application.

   (2) Explain following core tags of JSTL:

      (i) c:set

      (ii) c: out

      (iii) c:if

(D) Answer in brief : (Any **One** out of Two)   **5**

   (1) Explain include method of RequestDispatcher interface with example.

   (2) Explain Implicit objects of EL.

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