

SAKET COLLEGE OF ARTS,SCIENCE AND COMMERCE, KALYAN (EAST)
T.Y.B.SC (CS) SEMESTER VI PRELIMINARY EXAM MARCH 2018
SUBJECT: Advance Java II

TIME : 2^{1/2} HOURS

MARKS : 75

NOTE: 1) ALL QUESTIONS ARE COMPULSORY.
2) DRAW NEAT LABELLED DIAGRAMS WHEREVER NECESSARY.
3) ALL QUESTIONS CARRY EQUAL MARKS.

Q1. Attempt any Three . **[15]**

- a. Explain life cycle of a servlet.
- b. What is servlet ? Explain the types of servlet. Also discuss advantages of servlet.
- c. Write a servlet that count how many times a servlet is accessed and stores the value in ServletContext..
- d. Write a servlet file which will display if a number N is prime or not.
- e. What is cookie? Explain.
- f. Write a short note on HttpSession.

Q2. Attempt any Three . **[15]**

- a. Explain Error handling mechanism in JSP with code snippet .
- b. Write a JSP to print the sum of 1 to N numbers. Number N is accepted from sum.html.
- c. write a short note on Unified Expression Language.
- d. Describe various implicit object of the JSP. What is the scope of those objects.
- e. Explain Include Directives with all its attribute.
- f. Explain any five JSP elements.

Q3. Attempt any Three . **[15]**

- a. What is Enterprise Java Bean? Explain any four benefits of EJB.
- b. State the difference between Java Bean and EJB.
- c. Explain life cycle stateful session Bean.
- d. what is MessageListener? Also explain onMessage() function.
- e. State and explain any 2 annotations used for developing EJB.
- f. Write a short note on benefits of EJB.

Q4. Attempt any Three . **[15]**

- a. What factors should be considered before giving local or remote access to beans.
- b. Explain the following terms 1. SOAP 2. WSDLs.
- c. Write a short note on JAX-WS.
- d. Explain callback methods of Stateless session Bean.
- e. Write a web service method that accept a number n and returns the value of 1+2+3+.....+n.
- f. Explain the use of @webMethod.

Q5. Attempt any Three . **[15]**

- a. Write a short on UDDI.
- b. Differentiate between GenericServlet and HttpServlet.
- c. Explain life cycle Message Driven Bean..
- d. Explain jsp:useBean tag with an example.
- e. Explain any five JSP elements
- f. explain the Java Servlet Architecture.