

B.Sc. (I. T.) Sem. - IV (2011 Course) : SUMMER - 2019
SUBJECT-ADVANCED JAVA

Date: Monday
Day: 13/05/2019

S-2019-1309

Time: 10.00 am to 12.00 Noon
Max. Marks: 40

N.B.:

- 1) Attempt **ANY FIVE** Full Questions.
 - 2) Figures to the right, indicate **FULL MARKS**.
 - 3) Draw neat, labeled diagrams and provide code snippet details, **WHEREVER** necessary.
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- Q.1 a)** How do we create a Multithreaded Application in Java? **(04)**
- b)** State the difference between wait () and sleep () methods. **(04)**
- Q.2** What is ServletConfig and ServletContext? Explain it with an example? **(08)**
- Q.3 a)** What are the steps to connect Java application with the database (e.g. Oracle)? **(04)**
- b)** Define Any Four components of JDBC API? **(04)**
- Q.4** Explain the following with an example for each: **(08)**
i) ArrayList ii) TreeSet iii) TreeMap iv) HashMap
- Q.5** What is JSP and its advantages? Describe the JSP Lifecycle? **(08)**
- Q.6** What is Session Tracking Mechanism in Servlet? Explain Any One of them with an example. **(08)**
- Q.7** How do we handle in events in Swing application? Explain it with an example. **(08)**

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