

**B.SC. (I. T.) SEM. - IV (CBCS - 2015 COURSE) : WINTER -  
2017**

**SUBJECT: ADVANCED JAVA**

Day: **Wednesday**  
Date: **27/12/2017**

Time: **02.30 pm to 05.30 pm**  
Max. Marks: 60

**W-2017-0853**

**N.B:**

- 1) Solve any **SIX** questions.
- 2) Figures to the right indicate **FULL** marks.

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- Q.1 a)** What is the need of Layout manager? Explain with example. **(05)**
- b)** How many ways are there to create the thread? Explain them with example. **(05)**
- Q.2** What is JDBC? Explain four types of JDBC driver. **(10)**
- Q.3 a)** Explain any 5 mouse events. **(05)**
- b)** Explain arraylist and vector. **(05)**
- Q.4 a)** Explain use of servletcontext and servletconfig. **(05)**
- b)** Write HTTP code to check user login with user name and password. [use get method] **(05)**
- Q.5 a)** Explain jsp:setproperty with purpose and example. **(05)**
- b)** Compare process and thread. **(05)**
- Q.6 a)** Explain inner class with example. **(05)**
- b)** What is servlet? What is web container? **(05)**
- Q.7 a)** Compare Servlets and Applets. **(05)**
- b)** Explain sleep () and join () methods of Thread. **(05)**
- Q.8 a)** Explain 'HTTP is stateless'. **(05)**
- b)** Write java code to move four balls with different speed on screen as screen saver. **(05)**

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