

B.C.A. - III (CBCS Pattern) Semester-VI  
**UBCAT603.1 - Paper-III - Elective-I : Advance Java**

P. Pages : 2

Time : Three Hours



**GUG/W/24/13304**

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answers related to questions.

**Either:**

1. a) Write the importance of using table in swing in detail using example. 4
- b) What do you mean by components? What are the different components provided by swing. 4

**OR**

- c) Write a short note on JSlider using suitable example. 4
- d) Write a program to demonstrate a swing application. 4

**Either:**

2. a) Describe with the help of a diagram the structure and function of JDBC-ODBC. 4
- b) Write a program to delete a record from the student table. 4

**OR**

- c) Explain the connection Interface using suitable example. 4
- d) Explain purpose of get metadata( ) method use? 4

**Either:**

3. a) Write a note on session tracking. 4
- b) Define servlet. Explain the life cycle of servlets in detail. 4

**OR**

- c) Write a short note on Cookies. 4
- d) Write a program to create servlet using HTTPservlet method. 4

**Either:**

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|-----------|----|---------------------------------------|----------|
| <b>4.</b> | a) | Define JSP and JSP server in detail.  | <b>4</b> |
|           | b) | Write a short note on URL connection. | <b>4</b> |

**OR**

- |           |    |  |          |
|-----------|----|--|----------|
|           | c) | Explain TCP/IP socket programming in detail.         | <b>4</b> |
|           | d) | Write a program to demonstrate a socket programming. | <b>4</b> |
| <b>5.</b> |    | Solve all the questions.                             |          |
|           | a) | Write a short note on collection classes.            | <b>2</b> |
|           | b) | Explain in brief about SQL exception class.          | <b>2</b> |
|           | c) | Write a short note on do get( ) method.              | <b>2</b> |
|           | d) | Explain the concept of Networking.                   | <b>2</b> |

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