

M.Sc.- I (Computer Science) (CBCS Pattern) Sem-I  
**PSCSCT01 - Paper-I : Advanced Java**

P. Pages : 2

Time : Three Hours



**GUG/W/22/11142**

Max. Marks : 80

- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labeled diagram wherever necessary.
  3. Avoid vague answer and write answers relevant and specific to question only.

- 1.** Either:
- a) Explain data types in Java. **8**
  - b) Explain While loop with example. **8**

**OR**

- c) What is constructor? Explain it with suitable example. **8**
- d) Write a java program to create a class “Student” with rollno, sub1, sub2, sub3 as a data Members and getData() and printData() as member functions. **8**

- 2.** Either:
- a) What is Applet? Explain the Applet class with suitable example. **8**
  - b) Explain AWT controls – **8**
    - i) TextField Control
    - ii) ScrollBar Control

**OR**

- c) What is an event handler in Swing? What are the Events of Swing in Java? Explain it. **8**
- d) Explain the Layout Managers in detail. **8**

- 3.** Either:
- a) Explain different types of Drivers in java. **8**
  - b) Explain the following – **8**
    - i) Query Execution
    - ii) JDBC Configuration

**OR**

- c) Explain the following terms – **8**
  - i) Executing SQL Statements.
  - ii) Rowset
- d) What is Collection? Explain Collection Framework in detail. **8**

4. Either:
- a) What is Servlet? Explain the Life Cycle of Servlet. **8**
  - b) What do mean by JSP? Explain the role of JSP Server. **8**

**OR**

- c) Explain the Handing of Get and Post Request (Http) **8**
  - d) Explain the Mixing Scriptlet and HTML with suitable example. **8**
5. Attempt all the questions:
- a) Write a features of Advanced Java. **4**
  - b) Write a Short note on AWT panel. **4**
  - c) Write steps to connect Java application with access database. **4**
  - d) Write advantages of Servlet. **4**

\*\*\*\*\*