

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

P. Pages : 1

Time : Three Hours



GUG/W/23/11142

Max. Marks : 80

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

Either:

1. a) Explain the life cycle of thread. **8**
b) What are the various looping statements available in Java? Explain any one with suitable example. **8**

OR

- c) What is exception handling? Write and explain user defined exception. **8**
d) Write a Java program to explain the concept of static and final variable. **8**

Either:

2. a) Explain in detail applet life cycle. **8**
b) Write a program and explain the concept of passing parameter to applet. **8**

OR

- c) Write a short note on. **8**
i) Flow layout. ii) Grid layout.
d) Explain in detail about the swings. **8**

Either:

3. a) Explain in detail about various types of drivers. **8**
b) Write a program in Java to insert record in student table of MS-Access. Table has fields Sr. No., Name, Class, Age. **8**

OR

- c) Explain in detail updatable result sets. **8**
d) Define collection framework. Explain collection interface and its method. **8**

Either:

4. a) Elaborate Get and Post Request of Http with suitable example. **8**
b) Write a servlet program to implement session. **8**

OR

- c) Create a JSP page with 'M.Sc. (c/s)' message. **8**
d) Explain the life cycle of servlet. **8**

5. Attempt all the questions.
a) Write a short note on finalize () method. **4**
b) Explain in brief about Border layout. **4**
c) Write the benefits of collection framework. **4**
d) Write in short about directives. **4**
