

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

P. Pages : 2

Time : Three Hours



GUG/W/24/11142

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. Draw neat and labelled diagram and use supporting data whenever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Explain data types in Java. 8
- b) Write a detail note on Garbage collection in Java. 8

OR

- c) Write a program to illustrate the concept of command line argument. 8
- d) Explain life cycle of thread in detail. 8

Either:

2. a) Explain inheritance with example. 8
- b) Discuss types of exceptions & try catch block example. 8

OR

- c) Write a java program to find no. of evens and no. odd numbers in an array of size 10. 8
- d) Write a note on: 8
 - i) Menus
 - ii) Grid layout

Either:

3. a) Write down the steps for JDBC connectivity with MS-Access. 8
- b) Write a note on- 8
 - i) Resultset
 - ii) Scrollable and Updatable Resultset

OR

- c) Elaborate collection framework. 8
- d) Describe the different types of drivers. 8

Either:

- 4. a) Explain Servlet life cycle in detail. 8
- b) Explain the Handling of Get and Post Request (http). 8

OR

- c) What do mean by JSP? Explain the role of JSP Server. 8
- d) Explain Data Handling using Servlet & Write a program to demonstrate Generic Servlet program. 8

5. Attempt all questions.

- a) Explain features of Java. 4
- b) Elaborate flow layout. 4
- c) Write a note on Metadata. 4
- d) Discuss Tags and Session. 4
