

M.Sc. - I (Computer Science) (NEP Pattern) Semester-I
NEP-23 / 01MSCCS03 - Paper-III - Advanced Java

P. Pages : 2

Time : Three Hours



GUG/S/25/15080

Max. Marks : 80

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

Either:

1. a) Explain the java development cycle in detail. 8
- b) Write a detail note on JDK. 8

OR

- c) What do you mean by operators? Explain any five java operators with example. 8
- d) Explain the uses of static and final keywords in detail. 8

Either:

2. a) What is inheritance? Explain multilevel inheritance with example. 8
- b) Explain user defined packages in java. 8

OR

- c) Discuss about the types of exceptions. 8
- d) What is thread in java? Explain the thread life cycle. 8

Either:

3. a) Demonstrate the Applet class. 8
- b) Explain the Life cycle of Applet. 8

OR

- c) What do you mean by AWT? Explain. 8
- d) Write a detail note on swings in java. 8

Either:

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| 4. | a) | Explain Http servlet in detail. | 8 |
| | b) | What is cookie in java servlet? Explain the concept with example. | 8 |

OR

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|-----------|----|---|----------|
| | c) | Explain the JSP server. Also write the first JSP. | 8 |
| | d) | What do you mean by scriptlet? Explain how to mix scriptlet and html. | 8 |
| 5. | | Solve all the questions. | |
| | a) | Enlist and explain the scope rules in brief. | 4 |
| | b) | Explain the collection framework in brief. | 4 |
| | c) | Describe the architecture of Applet. | 4 |
| | d) | How to handle the Get and Post Request (Http) in servlet? Explain. | 4 |
