

B.Sc. (IT) (Part-III) Sem-VI
6BI3 - Java Paper-III

P. Pages : 1

Time : Three Hours



GUG/W/19/1449

Max. Marks : 80

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

- 1. EITHER.**
- a) What is JOK? Explain JOK environment in detail. **8**
 - b) Write a program to find the Average and sum of N Number. **8**
- OR**
- c) What is Array? Explain it in detail. **8**
 - d) Write a program to find the greatest of two numbers. **8**
- 2. EITHER.**
- a) What is object? Explain the OOP feature in detail. **8**
 - b) Write a program to demonstrate type casting. **8**
- OR**
- c) What is packages? Explain in brief any two predefined packages. **8**
 - d) Write a program to test prime number. **8**
- 3. EITHER.**
- a) What is exception? List and explain the Exception Handling keyword. **8**
 - b) Write a program to override thread life cycle methods. **8**
- OR**
- c) Write about thread synchronization Illustrate with on example. **8**
 - d) Write a program to implement Runnable interface. **8**
- 4. EITHER.**
- a) Briefly explain about AWT. **8**
 - b) Write a program to create a login form. **8**
- OR**
- c) Write about Applet life cycle. **8**
 - d) Write a program to demonstrate the flow layout class. **8**
- 5. All question are compulsory.**
- a) Why coding convention is necessary? **4**
 - b) Differentiate between Abstract class and interface. **4**
 - c) Write a short note on multithreading. **4**
 - d) What is serialization and deserialization. **4**
