

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

P. Pages : 1

Time : Three Hours



GUG/S/19/1449

Max. Marks : 80

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

1. Either

- a) Write a brief note on array and its method. **8**
- b) How java achieves platform independence? Explain JVM in detail. **8**

OR

- c) Write a note on data type and expressions. **8**
- d) Write a note on decision making statements? **8**

2. Either

- a) Write a note on relationship between super class object and subclass object. Explain with suitable example. **8**
- b) Write a brief note on data hiding and encapsulation. **8**

OR

- c) Discuss about importing packages and classes with suitable example. **8**
- d) Discuss about interfaces with giving a suitable example. **8**

3. Either

- a) What is thread priority? Explain it by giving a program on it. **8**
- b) Describe the throws keyword with suitable. **8**

OR

- c) Write a program for creating a multithreading application and explain it. **8**
- d) What is thread? Explain thread life cycle in detail. **8**

4. Either

- a) What is serialization and deserialization? Explain. **8**
- b) Explain the inter applet communication with suitable example. **8**

OR

- c) What is frames and panels? Explain with suitable example. **8**
- d) What is layout manager? Explain card layout with example. **8**

5. Solve all the questions.

- a) How java is platform Independent? Explain. **4**
- b) What is static data and static member? **4**
- c) Discuss about Thread synchronization. **4**
- d) Write a note on AWT components. **4**
