



GUG/W/15/5633

B.Sc. II (with Credits)-Regular-Semester 2012 Sem VI

B.Sc. 4516 : Computer Science -III :
Elective III : Java

Paper - II

P. Pages : 3

Time : Three Hours

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw a neat and labelled diagrams if necessary.

1. Either :
- a) What is an array in java. How are arrays used ? **5**
 - b) Explain main method in Java ? **5**

OR

- c) Write a for loop to print pyramid. **5**
 - d) Explain IF, SWITCH statement in details. **5**
2. Either :
- a) Explain method overloading in Java with suitable example. **5**

- b) What is package ? Explain. **5**
i) Creating package.
ii) Accessing package.

OR

- c) Write note on : **5**
i) Abstract classes.
ii) Abstract method.

- d) What are the differences and similarities between interface and class ? **5**

3. Either :

- a) What is a finally block ? when and how it is used ? Give a suitable example. **5**

- b) What is an exception ? Give its different type. **5**

OR

- c) What is multithreading ? How multithreading is implemented in Java. **5**

- d) What is user defined exception ? How it is implemented in Java. **5**

4. Either :

- a) Explain event handling in Java. **5**

b) What is Applet context ? **5**

OR

c) Write a note on : **5**
i) Grid layout
ii) Border layout

d) What are the different components of Abstract window toolkit ? **5**

5. Solve all the questions.

a) What features of Java make it distinct from other programming language ? How it is possible. **2½**

b) What is Encapsulation ? **2½**

c) What is multithreading and multitasking. **2½**

d) What is an Applets ? **2½**
