

**CSE601 - Java Programming**

P. Pages : 2

Time : Three Hours



**GUG/W/16/5342**

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
  2. Due credit will be given to neatness and adequate dimensions.
  3. Assume suitable data wherever necessary.

1. a) Discuss the features of java and also state the benefits of object-oriented programming. **8**  
b) What are the operators used in java? Explain with an example. **8**

**OR**

2. a) When we need to declare variables or methods as static? Explain with example. **8**  
b) Explain the following terms with example. **8**
  - i) Passing object as parameter
  - ii) Returning object as parameter
3. a) What is multithreading ? Write a program to set thread priorities. **8**  
b) Explain following terms with respect to thread. **8**
  - i) start ( )
  - ii) run ( )
  - iii) notify ( )
  - iv) Suspend ( )

**OR**

4. a) Explain user defined exception handling mechanism with program. **8**  
b) Discuss package in detail and write a program to implement user defined package. **8**
5. a) Explain applet skeleton with an example. **8**  
b) Write a program for passing parameter to the applet. **8**

**OR**

6. a) Explain different types of events. Also provide different components of event handling. **8**  
b) Write a program to implement checkbox using AWT and also handle the events in it. **8**

7. a) Explain the following term. 8
- i) Stream classes
  - ii) Character stream classes
- b) Explain files & also explain different types of files with syntax. 8

**OR**

8. a) Discuss file stream classes with an example. 8
- b) Write a program for reading data sequentially from Random-Access file. 8
9. a) Write a program for implementing client - server interaction by sending a character from client to server using socket programming. 8
- b) Write a program to load a document from a URL into a browser. 8

**OR**

10. a) Explain following terms with example. 8
- i) JAVADOC
  - ii) CORBA
- b) Discuss different methods of servlet with an example. 8

\*\*\*\*\*