

Roll No.

24469

**B.Tech. 7th Sem.
(Information Technology)
Examination-May, 2013**

ADVANCED JAVA

Paper CSE-409-F

Time : 3 hours

Max. Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Question No. 1 is compulsory. Attempt any five questions taking at least one question from each Section. All questions carry equal marks.

1. (a) What is garbage collection ? When it is used in Java ? $2 \times 10 = 20$
- (b) How process is different from thread ?
- (c) What is constructor ?
- (d) Define GET and POST commands.

- (e) What is a Transaction ? What is the reason for grouping statements into transactions ?
- (f) What is a Stub ? Where it resides ?
- (g) What are split panes ?
- (h) Name the various column classes by giving their purpose.
- (i) Why beans are important ?
- (j) What is Message Signing ?

SECTION - I

2. (a) What is exception and exception handling ? How exception handled in Java ? Explain with example. 10
- (b) Explain the various control statements available in Java in detail. 10
3. What is E-mail ? What are its advantages ? Explain with the help of example that how a program sends an E-mail to a remote site.

20

SECTION - II

- 4 (a) What items are required to write a database program ? Explain in detail. 10
- (b) Explain scrollable and updatable result sets by giving suitable examples. 10
- 5 (a) What is RMI ? What are its advantages ? Explain the setup for remote method invocation. 10
- (b) Explain the following when a value is passed from one virtual machine to another. 10
- (i) Transferring remote objects
 - (ii) Transferring Non remote objects

SECTION - III

- 6 (a) What is a Table ? Explain how you can hide and display the columns of table with the help of example. 10
- (b) What do you mean by Progress monitors ? Explain with the help of example. 10

- 7 (a) Explain the concept of Transparency and Composition in AWT with the help of example. 10
- (b) Write short note on : 10
- (i) The Clipboard.
- (ii) Readers and Writers for images.

SECTION -IV

- 8 (a) Explain how beans can be used to build an application by example. 10
- (b) What is property editor ? Explain, how you can write property editors by giving example ? 10

- 9 Write detailed notes on the following :

$$2 \times 10 = 20$$

- (i) Byte code Verification
- (ii) Class loaders.