EE-681

M.C.A. EXAMINATION, May 2018

(Fifth Semester)

(B. Scheme) (Re-appear Only)

(MCA)

MCA601

ADVANCED JAVA

Time : 3 *Hours*]   [*Maximum Marks* : 75

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

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) What is an Applet ? Describe the complete cycle of an Applet. **7**

(b) What error will occur if a number is divided by zero ? How can Java handle this error message ? Explain. **8**

2. (a) Differentiate between the constructor and destructor in Java. **7**

(b) Explain the steps involved in establishing a connection to a server. **8**

Unit II

3. (a) Differentiate between the prepared statement and Callable statement. **7**

(b) What is a Result set ? Describe different types of Results Sets. **8**

4. (a) Explain Remote Method Call with SOAP. **7**

(b) Write a program to show the remote interface using RMI. **8**

Unit III

5. (a) Why swing components are called lightweight component ? **7**

(b) How are the elements arranged in Grid Bag Layout ? Explain with the help of an example. **8**

6. Define Clipping. Write a program to clip the polygon based on rectangular window. **15**

Unit IV

7. What is a Java Bean ? Explain different types of beans. **15**

8. Write short notes on the following :

(a) Class loader **7**

(b) Code signing. **8**