Reg. No.									

MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL
(A constituent unit of MAHE, Manipal)

II SEMESTER M. C. A.
MAKEUP EXAMINATION – MAY 2018
(REVISED CREDIT SYSTEM)

SUBJECT: ADVANCED JAVA PROGRAMMING [MCA 4201]

12-06-2018

Time : 3 hours   Max. Marks : 50

Instructions to Candidates

1. Answer ALL questions.
2. Missing data may be suitably assumed.

1A	What is an ArrayList class? Explain the *add*() and *remove*() methods of ArrayList class, with a suitable example.	5
1B	Define priority of a thread. Why is it required? Explain the method used to change the priority.	3
1C	Explain the *drawstring*() method of the Applet class. Give an example.	2

2A	Compare and contrast overloading and overriding of methods. Explain with suitable examples.	5
2B	Explain the use of *TextField* and *TextArea* classes of AWT.	3
2C	When do you declare a member of a class as static? Explain with an example.	2

3A	Explain with syntax and an example each, the constructors of RandomAccessFile class. Also, explain the method of this class which makes random access possible.	5
3B	Differentiate between *peek*() and *poll*() methods of Queue interface. Give an example each.	3
3C	What do you mean by object serialization? Why is it required?	2

4A	What are the two classes used for data communication using UDP? Explain, with an example, the relevant methods and steps used for this.	5
4B	Explain the two ways of using the *substring*() method of String class. Give an example each.	3
4C	Write a program-segment to find the sum of elements of an integer array using enhanced for loop.	2

5A	Differentiate between the Swing Components JButton and JToggleButton. Explain, with suitable examples, the method of creating them.	5
5B	What are command line arguments? How they can be used in a program? Give an example.	3
5C	Explain purpose of *finally* block in exception handling.	2