Reg. No.

MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

II SEMESTER M. C. A.
MAKEUP EXAMINATION – JUNE 2019
(REVISED CREDIT SYSTEM)

SUBJECT: ADVANCED JAVA PROGRAMMING [MCA 4201]
08 -06-2019

Time : 3 hours   Max. Marks : 50

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

1A	Explain with an example, how the BufferedInputStream and BufferedOutputStream class helps in handling I/O.	5
1B	What is the significance of closeable and flushable interfaces in java streams?	3
1C	What is the use of paint() method in Applet?	2
2A	Explain the steps to implement object serialization and deserialization	5
2B	What is the significance of the 'throws' clause in exception handling?	3
2C	What is the need of variable length argument in the method?	2
3A	With syntax, explain the use of the following methods of Deque interface. a) offerFirst b) removeLast c) peekFirst d) pollLast e) getFirst	5
3B	What are the three layers that comprise the basic remote-object communication facilities?	3
3C	What is the use of ImageIcon class?	2

4A   Define a package. Explain the method of creating a package and using it in another   5
      program. Illustrate with an example.

4B   Explain the use of TextField and TextArea classes of AWT.   3

4C   Explain the drawArc method with syntax and an example.   2

5A   Explain with an example the creation and event handling process in JCheckbox and   5
      JRadioButton components.

5B   Write Java code to create a JTable within a JScrollPane to display RegNo, Name and   3
      Marks of three students.

5C   What is the need of connect method in TCP?   2