Code: 9F00305

MCA III Semester Regular & Supplementary Examinations January 2015

JAVA PROGRAMMING

(For students admitted in 2009, 2010, 2011, 2012 & 2013 only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) With the help of a suitable example program explain the use of break and continue statements.
   (b) Write a java program to find the sum of the individual digits of any given number. (Example: 5432 = 5 + 4 + 3 + 2 = 14).

2 (a) Distinguish between overriding and overloading.
   (b) How can we prevent a class to be inherited? Explain in detail.
   (c) Write a simple program to demonstrate the single inheritance.

3 (a) In what way a package is different from the interface. Explain with suitable program.
   (b) Why should we use the CLASSPATH in java programming? Explain.

4 (a) Write a simple program to detect the duplicates using "set".
   (b) Give brief description about the array data structure.

5 (a) Discuss in detail about the byte streams.
   (b) Give brief description about the server sockets present in java networking.

6 (a) Explain with a suitable example program the creation of user defined exceptions.
   (b) In how many ways a thread can be created. Write short notes on them.

7   Explain in detail about the various layout managers present in java programming. Illustrate each with a suitable example program.

8 (a) Distinguish between applet programming and application programming.
   (b) Give brief description about the delegation event model.

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