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R-11 / R-13

Code: 1G145

II B.Tech. II Semester Supplementary Examinations Nov/Dec 2018

Object Oriented Programming through JAVA

(Common to CSE & IT)

Max. Marks: 70

Time: 3 Hours

Answer any **five** questions

All Questions carry equal marks (**14 Marks each**)

1. a) What is Object oriented paradigm? Explain any three object oriented programming features? 7M
b) List out and explain Java Integer and Floating point data types? 7M

2. a) Compare and contrast java's access specifiers? 7M
b) Explain method overloading with an example? 7M

3. Define package? Explain four categories of visibility for class members with simple example. 14M

4. Write a java program to create a thread
i) By extending Thread class
ii) By implementing Runnable interface. 14M

5. Write a Java applet program to implement following logic.
"Applet receives an integer in one text field, and computes its factorial value and returns the result in another text field, when the button named "Compute" is clicked." 14M

6. a) What is applet? Explain applet life cycle. 7M
b) Explain different types of applets. 7M

7. a) Explain the advantages of swing components over AWT components. 7M
b) List out and briefly about Swing GUI components and containers. 7M

8. Write a short note on the following.
a) TCP/IP client sockets
b) URLConnection class
c) Datagrams 7M
