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Birla Vishvakarma Mahavidyalaya (Engineering College)
(An Autonomous Institution)

Third Year B.Tech. (IT) - End Semester Examination (Remedial) - Summer 2018

Course Code: IT302 **Course Title: Object Oriented Programming with Java**
Date: 24.05.2018 **Time: 10:30 am to 01:30 pm** **Maximum Marks: 70**

Instructions:

- Each section must be written in a separate answer books.
- Numbers to the right indicate maximum marks.

Section – I

Q. 1 **Answer the following Questions.** **[10]**

- (a) Compare Method Overriding and Method Overloading with example.
- (b) What is inheritance in Java? Explain Type of inheritance with example.

Q. 2 (a) Create **Circle** class with area function to find area of circle. **[7]**

(b) Justify the need of “this” keyword in JAVA. **[4]**

OR

(b) Justify the need of “Super” keyword in JAVA. **[4]**

Q. 3 (a) Create a class **Scooter** that has **Model_no, name, color** as data member and create void **getScooterDetails()** and void **showScooterDetails()** as member method. Read details for 5 **Scooter** and display it. **[7]**

(b) Create a class **OverLoadDemo** and also create method **test()** in it. Overload **test()** in four ways. First version takes no parameter, the second takes one integer parameter, and the third takes two integer parameters and fourth takes one double parameter. Call all methods from **main()** function. **[7]**

OR

(b) Implement a JAVA program for **3*3** Matrix Multiplication. **[7]**

Section – II

Q. 4 **Answer the following Questions.** **[10]**

- (a) Differentiate “**Final**” and “**finally**” with suitable programming instructions.
- (b) Explain Applet life cycle with example.

Q. 5 (a) Create a class **ReadFromFile** in which read contain of file “Sample.txt” and display the content on console. **[7]**

(b) Compare sleep() and wait() methods of thread with proper example. **[4]**

OR

(b) Explain Event Delegation Model. **[4]**

Q. 6 (a) Write a program to print Odd number using thread1 and Even number using thread2. **[7]**

(b) Develop a Frame “**Registration**” which takes the following input from the user. **Name** (TextField), **Age** (TextField), **Gender** (Radio button), **Address** (Text Area). When click on **Submit** button, each value with label should be displayed in **Text Area** labeled as “Student Details”. **[7]**

OR

(b) Develop an applet “**Banner**” to implement moving Banner. **[7]**

ALL THE BEST