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MANIPAL UNIVERSITY
SCHOOL OF INFORMATION SCIENCES

SECOND SEMESTER MASTER OF ENGINEERING - **ME** (COMPUTING
TECHNOLOGIES & VIRTUALIZATION)
DEGREE EXAMINATION – APRIL / MAY 2016

SUBJECT: VIR 618 - ADVANCED JAVA PROGRAMMING

Monday, May 2, 2016

Time: 10.00 – 13.00 Hrs.

Max. Marks: 100

1. A. What is SendRedirect in Servlet?
B. Create custom google search application using sendRedirect in Servlet.
(3+7=10 marks)
2. A. What is Session Tracking in Servlets?
B. What are Cookies? Explain the advantages and disadvantages of cookies?
C. Explain with a code snippet how cookies can be created and deleted?
(3+3+4=10 marks)
3. A. What are Cookies? Explain the advantages and disadvantages of cookies?
B. With a neat code snippet, explain the concept of Simple example for Servlet cookies.
(3+7=10 marks)
4. With neat example, explain the concept of Request and Response implicit objects in JSP.
(10 marks)
5. A. Explain JSP expression tag with example
B. Explain JSP Declaration tag with example
(5+5=10 marks)
6. A. What do you mean by implicit object in JSP?
B. List all nine implicit object in JSP.
C. Write a simple example for printing current time using implicit object in JSP
(3+4+3=10 marks)
7. With a neat diagram, explain the execution flow in STRUTS 2.
(10 marks)
8. Explain Hibernate Architecture with a neat diagram.
(10 marks)
9. A. Explain the hibernate Persistance Class.
B. Write a JAVA POJO persistence class Employee with parameters id, name, empcode, phoneno.
(5+5=10 marks)
10. Explain the HelloWorld example in SPRING with POJO persistence class, Main Application and Bean configuration files.
(10 marks)
