MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD)
Gundlapochampally (H), Maisammaguda (V), Medchal (M), Medchal-Malkajgiri (Dist), Hyderabad

III B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS, MAY-2018

Subject: Java and Web Technologies

Branch: CSE

Time: 3 hours   Max. Marks: 75

PART-A

I. Answer the following Questions   5×1=5M
1. Define method overriding.
2. How to use implements keyword?
3. What are the advantages of CSS?
4. How can we execute stored procedures and functions?
5. What is the key difference between Java Servlet and JSP?

II. Answer the following Questions   10×2=20M
1. Define scope and lifetime of a variable.
2. What are the uses of final keyword?
3. Define a package and list out some classes of language package?
4. Draw the collection framework hierarchy?
5. What happens if we call run() method directly instead start() method?
6. Are Java and JavaScript same? Justify your answer.
7. What does the JDBC ResultSetMetaData interface?
8. What is difference between ServletConfig and ServletContext?
9. What are the life-cycle methods for a JSP?
10. List the implicit objects of JSP?

PART-B

Answer the following Questions   5×10=50M
Q1. A Java program to demonstrate the uses of super keyword.
(OR)
Q2. **a.** Define an abstract class. Can we instantiate an object for abstract class? Justify your answer.
   b. Does Java support multiple inheritance? Justify your answer.
Q3. A Java program to demonstrate the four access specifiers through packages concept.
(OR)
Q4. **a.** A Java program to demonstrate try, catch and finally keywords.
   b. A Java program to demonstrate creating user defined exceptions.
Q5. **a.** Compare process-based and thread based multitasking.
   b. A Java program to create a thread by implementing a Runnable interface.
(OR)
Q6. **a.** A Java program to demonstrate External Style Sheets.
   b. Develop a HTML code to demonstrate Frames.

Q7. Develop a program to create a table and insert the records in database by using JDBC.
(OR)
Q8. Write a java program which illustrates the concept of setting and getting cookies by specifying maximum age, default age and obtaining the cookies which are present at client side.

Q9. **a.** Develop a JSP program to demonstrate include directives and page directives.
   b. Develop a program to implement area of circle by using JSP.
(OR)
Q10. **a.** Develop a program that demonstrates JSP forward page and JSP include page.
   b. Develop a program to implement table information in Excel sheet by using JSP.

Code No.: **30608**

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III B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS, MAY-2018

Subject: **Information Retrieval Systems**

Branch: CSE

Time: 3 hours   **Max. Marks: 75**

PART – A

I. Answer ALL questions of the following   **5x1Mark=5 Marks**

1. Define a Data warehouse
2. Define PAT data structure
3. Define Signal weighting.
4. Define parallel computing.
5. List out all Search Capabilities.

II. Answer ALL questions of the following   **10x2Mark=20 Marks**

1. How Information Retrieval Systems is related to DMBS?
2. Differentiate between the Cataloging & Indexing.
3. Discuss about inverse document frequency.
4. What are the Classes of Indexing? Explain briefly?
5. What is relevance feedback?
6. Explain about information Visualization.
7. Write any four reasons to evaluate the effectiveness of an information Retrieval System.
8. Explain about some Web Issues in IR?
9. Explain Image Retrieval.
10. Write short notes on Data mining.

PART-B

Answer ALL questions of the following   **5x10 Marks= 50Marks**

1. a) Explain objectives of IRS.   [5M]
   b) What is the difference between concept of a "Central Library" and an IRS? What new areas of IR research may be important to support a Digital Library?   [5M]

(OR)

2. Explain Information Retrieval Systems Search and Browse Capabilities.

3. Define Clustering. Explain about the Automatic Term Clustering?

(OR)

4. Discuss Software Text Search Algorithms.

5. Explain latent semantic indexing with examples.

(OR)

6. Explain the process of Hardware Text Search Algorithm.

7. Explain MIMD architecture.

(OR)

8. Explain measures used in system evaluation.

9. Discuss about the OPAC's?

(OR)

10. Briefly discuss about Digital libraries and its Architectural issues.