Code No.: 30604

MR13

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, NOVEMBER-2017

SUBJECT: **Java and Web Technologies**

BRANCH: **CSE**

Time: **3 Hours** Max Marks: 75

Part A

I. Answer all Questions **5x1=5M**

1) What is the use of finalize() method.
2) Define package.
3) Why daemon threads are used?
4) List the three methods in the life cycle of a servlet?
5) Define MVC architecture

II. Answer all Questions **10x2=20M**

1) Discuss the use of "super" keyword in Java.
2) Explain with an example passing objects as parameters to methods.
3) List any two differences between class and interface.
4) Illustrate with an example nested try statements.
5) Explain thread life cycle.
6) List the major types of URLs with a brief description of each.
7) Explain JDBC architecture.
8) Discuss the use of a cookie.
9) List the advantages of JSP over servlet?
10) Compare and contrast stateless and stateful session bean.

Part B

Answer all Questions **5x10=50M**

1) Discuss object oriented programming principles. Compare and contrast object oriented programming with procedure oriented programming. **[10 M]**

(OR)

2) Discuss the implementation of abstract class and abstract methods with an example. Justify the abstract class usage in a real time scenario. **[10 M]**
3) Explain the four categories of visibility for class members with an example. **[10 M]**

(OR)

4) Differentiate throw and throws with an example. How do we create our own exception subclasses?

5) Explain inter thread communication with an example. **[10 M]**

6) Write the advantages of using cascading style sheets in web page design? **[10 M]**

7) Write a JDBC application to connect to a database and demonstrate the use of driver and ResultSet.

(OR)

8) Write a code to demonstrate the two ways in which a java servlet replies to a client request **[10 M]**

9) Explain JSP scripting components with examples. **[10 M]**

(OR)

10) List and explain all functions in the JSTL function library. **[10 M]**

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Gundlapochampally (H), Maisammaguda (V), Medchal (M), Medchal-Malkajgiri (Dist), Hyderabad.

III B.Tech II Semester Supplementary Examinations, NOVEMBER-2017

SUBJECT **Information Retrieval Systems**

Branch: **CSE**

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

PART-A

I.Answer all the questions **5 x1=5M**

1.What is information Storage and Retrieval System
2.Define Automatic Indexing.
3.Name the Information Visualization Technologies?
4.Explain Query processing
5.Name the Query Languages?

II Answer all the questions **10 x 2=20M**

1.Differentiate between Iterative Search & Search History Log?
2.Define Indexing and give an example.
3.What is N- Gram data structure?
4.Define Stemming Process & Indexing Process.
5.What are the benefits of a Weighted Index System over a Binary Index System
6.Explain about the Relevance Feedback?
7.Define parallel computing
8.Write a short note on System Perspective Measurements
9. Write short notes on Non-Speech Audio Retrieval & Spoken Language Audio Retrieval?
10. Explain query optimization.

PART-B

Answer all the questions **5 x 10=50M**

1.Discuss in detail about the various search capabilities available in information retrieval Systems

(OR)

2.Discuss about the Objectives & Indexing Process?
3.Explain Porter stemming algorithms & Dictionary look up stemmers with Example.

(OR)

4.Discuss about the Porter Stemming Algorithm & Successor Stemmers?

5. Compare Hardware versus Software text search algorithms along with their advantages & disadvantages.

(OR)

6.Write a short notes on
a. Cognition and Perception [5M]
b. Ranking Algorithms [5M]

7. Compare and Contrast between the Parallel IR & Distributed IR?

(OR)

8.Briefly discuss Distributed IR
9.Explain Digital libraries.

(OR)

10.Explain the objectives of multimedia Information Retrieval System.