Code No.: **10B02/20B02** | **MR11/ MR12**

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: **Management Science**

Branch: **CSE**

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

Answer any **FIVE** Questions of the following **5x15M=75M**

1. a) Explain the concept of Management and social responsibilities of Management.
   b) System approach to management. [8+7M]

2. Explain the following (a) Cellular organization structure (b) Team structure (c) Boundaryless organization structure.

3. Provide a detailed note on the principles, types of plant layout and brief on the basic procedure involved in method study and work measurement. ?

4. Answer the following
   a. Store management? [7M]
   b. Explain the concept of EOQ & Compute Economic Order Quantity(EOQ) if Annual Requirement is 200000 Units, Unit Price is Rs.250/-, Ordering Cost Per Order is Rs.1000/- and Carrying Cost is 10% of Unit Price? [8M]

5. a) Concept of HRM
   b) Concept of HRD

6. Explain PERT and CPM and illustrate the PERT basic network terminology.

7. a) Explain strategy and programs? [8+7M]
   b) Generic Strategy alternatives.

8. Write short notes: [3x5=15M]
   a) Grievance handling
   b) Job evaluation
   c) Merit writing

Code No.: **10521/20521**

MR11 & MR12

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

Subject: **Complier Design**

Branch: **CSE**

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

Answer any FIVE Questions of the following **5x15M=75M**

1. a) Explain Analysis — Synthesis model of compiler? [5+5+5M]
   b) Explain, why it is better to have two passes in compiler than having one pass?
   c) Explain how Lexical Analyser is generated using LEX?
2. Construct LL(1) passing table for the following grammar [15M]
   E→ TE'
   E'→ $+TE'/\varepsilon$
   T→ FT'
   T→$*$ FT'/ε
   F→ $(E)/id$
3. Generate SLR parsing table for the following grammar [15 M]
   E→ E+T/T
   T→ TF/F
   F→F* /a /b
4. a) What are the benefits of Intermediate codegeneration? [5+10M]
   b) Explain various forms of intermediate code with examples?
5. a) List the symbol table entries [7+8]
   b) Explain about attributes of symbol table
6. a) Write algorithm for construction of DAG [10+5M]
   b) Write the advantages of code optimization and problems of optimizing compilier?
7. a) Compare local optimization with Global optimization .Give Suitable Examples?
   b) Write short note on Data flow Equations. [10+5M]
8. Explain object code Forms?

[15]

Code No.: **10519/20519** **MR11 & MR12**

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

Subject: **Software Testing Methodologies**

Branch: **CSE**

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

Answer Any 5 questions of the following **5 x 15M=75 M**

1. a) What is bug? Explain consequences of bugs in detail. [8]
   b) Explain model for testing. [7]

2. Discuss the following terms in detail:
   a) Predicates and Predicate expressions
   b) Predicate coverage
   c) Achievable paths

3. Explain about transaction flow testing technique with an example.

4. Write short notes on
   a) Linear domain boundaries and Non-Linear boundaries
   b) Complete domain boundaries and complete boundaries.

5. a) Using reduction procedure convert flow graph whose links are labelled into a path expression. Explain each step with flow graph [10]
   b) Write short note on node reduction procedure in path testing. [5]

6. a) Discuss the role of decision table in a test case design. [8]
   b) Describe specifications in detail for software development. [7]

7. a) What are the principles of state testing? Explain its advantages and disadvantages. [7]
   b) Explain the following terms: [4+4]
   i) Transition bugs ii) Dead states.

8. a) What are the challenges in testing for web based software. [7]
   b) Explain in detail performance testing. [8]

Code No.: **10605/20605** | **MR11 & MR12**

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

Subject: **Web Technologies**

Branch: **CSE**

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

Answer any 5 Questions **5×15=75M**

1. Explain about different HTML Tags with examples. [15 M]
2. a) Describe the primitive data types that Java script uses. 8M
   b) Write a script that reads an integer and determine and display whether it is an odd or even number. 7M
3. a) What is DTD? How is it useful for validating XML? Explain with the help of an example?
   b) Write a command line argument that parses a document and counts the number of elements in it. The output must list the number of elements in the XML file given as argument on the command line.? [7+8M]
4. a) Write a java bean program to add fore ground and back ground color to a text. [10M]
   b) Write about Java Beans API? [5M]
5. a) Write about Reading Initialization parameters. [8 M]
   b) Explain the importance of deployment descriptor (web.xml). [7 M]
6. a) Briefly describe the processing of a JSP application.
   b) Explain about different web servers that are available in the market [7+8M]
7. a) Discuss about session tracking using JSP
   b) What do you mean by directive elements? Explain it with suitable example [7+8M]
8. Write a JDBC program to give grace marks to students if they have excellence in more than 3 subjects but failed in 1 subject. Getting more than 80 marks is excellent. [15M]

Code No.: **10525/20525** | **MR11/ MR12**

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

Subject: **Data Warehousing and Data Mining**

Branch: **CSE**

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

Answer any **FIVE** Questions of the following **5x15M=75M**

1. a) Explain major issues involved in data mining ? [8M+7M]
   b) Explain in detail about cleaning?

2. a) Explain the storage models of OLAP? [8+7]
   b) Discuss multi dimension data model.

3. a) How is association rules mined for larger databases? Explain. [7+8]
   b) Explain in detail constraint based association mining.

4. a) How will you solve classification problem using decision tree explain with example.
   b) With an example explain various attribute selection measures in classification. [8+7]

5. a) Define Distance Based Outlier? Illustrate the Efficient based Algorithms for mining Density Based Algorithm. (8+7)
   b) Demonstrate the following Hierarchical Methods:
   i) BIRCH ii) CHAMELONU

6. a) Explain sequence patterns in transactional data base. [8+7]
   b) Describe about community mining from multi relational networks.

7. a) Explain about the Text Mining?
   b) Write briefly about the Text Data Analysis and Information Retrieval? (8+7)

8. a) Write a note on Social Impact of Data Mining?-
   b) Explain briefly about the Ubiquitous and Invisible Data Mining? (8+7)