

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, NOVEMBER-2018Subject: Management Science

Branch: CSE

Time: 3 hours

Max. Marks: 75

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

1. Systems Approach to Management
2. Explain Facilities Location
3. Marketing and its Functioning
4. PERT
5. SWOT Analysis

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

1. Management Vs Organization
2. Social Responsibility of Management
3. Merits and demerits of Decentralization
4. Matrix Organization Structure
5. Objectives of Inventory Management
6. Pricing Strategies in Product Life cycle (PLC)
7. Sources of Recruitment
8. Techniques of Job Evaluation
9. Generic Strategic Alternatives
10. Environmental Scanning

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

1. Explain the various approaches to Management.

(OR)

2. Answer all

- A. Herzberg's Two-factor theory
- B. Mayo's Hawthorne Experiments

3. Answer all

- A. Line and Staff Organization
- B. Virtual Organization
- C. Functional Organization

(OR)

4. Decentralization Vs Departmentation. Analyze critically the advantages and disadvantages of Departmentation.

5. Phillips Industry needs 5400 units/year of a bought out component which will be used in its main product. The ordering cost is Rs 250 per order and carrying cost per unit is Rs 30. Find

- a. EOQ
- b. Number of orders per year
- c. Time between successive orders

(OR)

6. Answer all

- a. Marketing Mix
- b. Channels of Distribution

7. A. Recruitment Vs Selection

B. Training Vs Development

(OR)

8. Discuss in detail the changing nature and challenges faced by the HR department in organizations.

9. What is Value Analysis? What is the checklist approach to Value Analysis implementation?

(OR)

10. Answer all

- a. JIT
- b. Bench Marking
- c. TQM

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, NOVEMBER-2018Subject: Linux Programming

Branch: CSE

Time: 3 hours

Max. Marks: 75

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

1. What is the use of nice command?
2. What is shell script?
3. Define file?
4. Describe reliable signals.
5. Write the syntax of bind() function call.

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

1. Explain about AWK programming?
2. Write a grep command with an example.
3. Explain different types of redirection?
4. Explain about error redirection.
5. Differentiate between user mode and System mode.
6. Differentiate between advisory locking and mandatory locking.
7. Explain about shmctl () function.
8. Differences between pipes and message queues
9. Distinguish between TCP sockets and UDP sockets
10. Write about IPv4 socket address structure?

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

1. a) Explain about process utilities?
b) Explain about backup utilities?

OR

2. a) Explain the following commands with syntax, options and examples: (a) head (b) tail (c) ps d) grep.
b) Discuss about various utilities available in LINUX. Quote various options and examples for each.

3. a) Write a shell script to display Fibonacci series upto 100.
c) Explain three modes of vi editor?

OR

4. a) Develop a shell script which should use “for loop using ranges or counting” to print the multiplication table?
b) Write a shell script that accepts a file name starting and ending line numbers as arguments and displays all the lines between the given line numbers?

5. Write in detail about the following.

- a) File descriptor
b) File system structure

OR

6. a) Discuss the following
i) chmod ii) chown iii) unlink
b) Write a C program for wc command using system calls or library functions

7. a) Explain different methods of IPC.
b) Explain the concept of FIFO in IPC.

OR

8. Define FIFOs? How they are different from pipes? Give an example application where FIFO can be used.
9. Explain the sequence of steps to process various socket functions using TCP protocol.

OR

10. Explain the Socket communication with the following system calls
a) Socket()
b) Connect()
c) Resend()

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, NOVEMBER-2018Subject: Application Programming

Branch: CSE

Time: 3 hours

Max. Marks: 75

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

1. What is the role of the base class library .NET framework?
2. Give four examples of value type data types?
3. Define string data type?
4. Differentiate Assembly and Solution.
5. Expand LINQ.

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

1. List the intrinsic CTS data types in C#.
2. List six unique features of Visual Studio 2010.
3. How to use pass by value mechanism in C#?
4. Write the difference between value type and object type?
5. Write C# application to illustrate handling multiple exceptions?
6. List out the differences between abstract class and interface.
7. Differentiate between private assembly and shared assembly
8. Explain how do you make use of shared assembly in your application?
9. List out any four core objects of an ADO.NET data provider.
10. What is the use of data set object in ADO.NET?

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

1. a) Explain the role of JIT compiler.
b) What are namespaces? List and explain the purpose of at least five namespaces.
OR
2. Explain features and building blocks of .Net framework.
3. a) Bring out the significance of params modifier with a suitable example.
b) What are the two types of multidimensional arrays supported by C#? Write code snippet to illustrate the same.
OR
4. a) What is boxing and unboxing? Explain with an example for each?
b) How does C# implements enumerations? Give an example.

5. a) Write a program to demonstrate Explicit casting, “is” and “as” keywords for invoking methods of base class.
b) Write a program to demonstrate handling of multiple exceptions in C#.

OR

6. Write a C# program that demonstrates the usage of “sealed” keyword.
7. a) What is a delegate? Explain with an example all the components of a delegate.
b) Explain how to configure shared assemblies with an example.

OR

8. Discuss how to create shared Assembly. Explain with an example?
9. a) What are the data providers in ADO.NET? Explain each with an example
b) What are the two fundamental objects in ADO.NET? Explain each with an example

OR

10. Implement the following in data set
- a) Adding a row
 - b) Adding a new data column
 - c) Deleting a row
 - d) Updating a row

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, NOVEMBER-2018Subject: **MOBILE APPLICATION DEVELOPMENT**Branch: **CSE**

Time: 3 hours

Max. Marks: 75

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

1. List the requirements of small computing devices?
2. What is a service in Android?
3. What is the need of Android Jellybean?
4. What is an explicit Intent?
5. Explain what is the use of SQLITE group by clause?

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

1. What are the limitations of Radio transmission?
2. What are the small computing devices requirements?
3. What is Android? Who is the founder of Android?
4. Briefly mention categories of Android applications?
5. What is the result after executing the command in emulator “adb logcat”?
6. How do you Install ADT Plugin for Eclipse?
7. What is key event symbolic constant for camera button?
8. What are different Layouts in android user interface design?
9. What is the text view class method for android height and android text XML attributes?
10. Briefly discuss about SQLite database?

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

1. What is MIDLET? Explain about multiple midlets in a MIDLET Suite?
OR
2. How to create a simple MIDlet application with NetBeans
3. Explain in detail about history of Android. Mention different types of Android development tools.
OR
4. Explain in detailed about Android evolution?
5. Explain how to install and use Eclipse with ADT plus-in?
OR
6. a) How to Configure the Installed tools?
b) Explain the role of Emulators in Mobile applications?
7. What is the need of Multiple Screen Sizes in user interface Architecture? Explain?
OR
8. Explain about a) activity life cycle b) Spinners(Combo boxes) c) Application context
9. The SQL standard requires that a UNIQUE constraint be enforced even if one or more of the columns in the constraint are NULL, but SQLite does not do this. Isn't that a bug? What is the Export Control Classification Number (ECCN) for SQLite?
OR
10. Describe about how to connect with the Database?

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, DECEMBER-2018Subject: **ADVANCED DATABASES**

Branch: CSE

Time: 3 hours

Max. Marks: 75

PART – A**I. Answer ALL questions of the following**

5x1Mark=5 Marks

- 1 List out the advantages of DBMS
- 2 List the reasons for fragmentation
- 3 What are the objectives of query processing?
- 4 What do you mean by search strategy
- 5 List out the work flows of transactions.

II. Answer ALL questions of the following

10x2Mark=20 Marks

- 1 Explain traditional file processing with a neat diagram.
- 2 What is relational DBMS?
- 3 What are the main reasons for fragmentation?
- 4 What is hybrid fragmentation?
- 5 Explain about local query optimization.
- 6 Explain any two layers of query processing.
- 7 List out problems in Query Optimization
- 8 Discuss about cardinality of selection.
- 9 List out the properties of transaction and explain any two of them.
- 10 What are site failures?

PART-B**Answer ALL questions of the following**

5x10 Marks= 50Marks

- 1 What is distributed database system? Explain shared memory, shared disk, shared everything and shared nothing multiprocessor systems.

OR

- 2 Enlist and explain various normal forms with appropriate example(s).
- 3 Give a detailed description about top-down approach and the bottom-up-approach.

OR

- 4 Briefly describe different design issue of distributed DBMS.
- 5 a) How do you generate equivalent operator tree
b) Explain reduction for derived and hybrid fragmentation.

OR

- 6 List and explain the important characteristics of query processors.
- 7 What is query optimization? explain distributed cost model with an example.

OR

- 8 Explain distributed query optimization algorithms.
- 9 Explain a) basic to algorithm b) conservative to algorithm.

OR

- 10 Explain timestamp based concurrency control algorithm.

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, DECEMBER-2018Subject: **CLOUD COMPUTING**

Branch: CSE

Time: 3 hours

Max. Marks: 75

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

1. List various companies' names that are using cloud. Also their cloud names
2. Define IAAS
3. Abbreviate IAM in cloud security.
4. Specify the purpose of Yahoo calendar?
5. Write the uses of Amazon S3?

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

1. Briefly explain with neat sketch how users are connected to the cloud?
2. What is private cloud?
3. What are the advantages of Software AsA service?
4. List out different cloud services?
5. What is the identity management?
6. Describe access control in cloud.
7. Explain collaborating on task management.
8. List the websites for collaborating on to-do list.
9. What is the Google APP engine?
10. What is CRM

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

1. List and explain any five advantages of cloud computing with examples in detail

OR

2. Explain the history of cloud computing
3. Explain in detail about PAAS cloud

OR

4. Explain about the various functionalities of Software-as-a Service.
5. A) Explain about the standards for application developers
b) Briefly explain about secure cloud computing communications.

OR

6. a) Write about Vulnerability assessment tool for cloud.
b) Discuss Privacy and Security in cloud

7. a) Explain Centralizing Email Communications.
b) Discuss Cloud Computing for the Community.

OR

8. Explain the concept of Centralizing Email Communications
9. a) Explain the features of Google App engine.
b) Briefly explain windows azure system

OR

10. a) Briefly explain about Microsoft dynamic CRM cloud
b) Explain online exchange principles