

MONAD UNIVERSITY
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101
Tehsil Hapur (U.P), India

Course: OPERATING SYSTEM

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) Define memory management. Also discuss Multiprogramming with fixed partitions & Multiprogramming with variable partitions.
- b) Explain Paging & Demand paging. Also discuss Page replacement algorithms with example of each.

Q.2

- a) Explain disk storage and disk scheduling. Discuss issues with File system implementation.
- b) Define Thrashing. Explain Locality of reference in detail.

MONAD UNIVERSITY
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101
Tehsil Hapur (U.P), India

Course: COMPUTER GRAPHICS

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a)
 - i. Define Window.
 - ii. Define Viewport.
 - iii. What is Aliasing?
 - iv. What is rendering?
 - v. What do you understand by viewing transformation?
- b) Explain Cohen- Sutherland line clipping algorithm with example.

Q.2

- a) With suitable examples, explain all Two Dimensional Transformations.
- b) Explain 3D transformations with suitable examples.

MONAD UNIVERSITY
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101
Tehsil Hapur (U.P), India

Course: GRAPH THEORY

Assignment No: 2

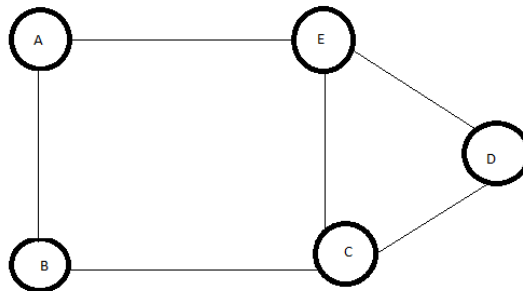
Due date of submission: 10.11.2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) Define Spanning Tree. Give its properties. Also Find all spanning tree of the given graph:



- b) Discuss Kuratowski graphs. Explain thickness and crossing of a graph.

Q.2

- a) Explain Kruskal's algorithm with Suitable Example. Also explain how it is differ from Prim's algorithm.
- b) Explain Dijakstra's algorithm with example

MONAD UNIVERSITY
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101
Tehsil Hapur (U.P), India

Course: DESIGN AND ANALYSIS OF ALGORITHMS

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

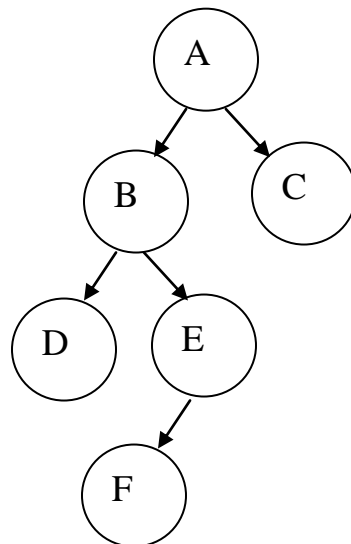
1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) Explain Kruskal algorithm with proper example.
- b) Give short note on Substitution method in recurrence relation.

Q.2

- a) Explain Dijkstra's algorithm with example.
- b) Write preorder, inorder and postorder traversal for given tree:



Course: - Engineering Managerial Economics

Assignment No: 2

Due Date of Submission: 10.11.2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your name, programme and enrolment number clearly on the top of the page.

Ques. No.:-1

- A. Define Market? How prices and output are determined under perfect competition?
- B. Discuss about the classification of market? How prices are determined under monopoly and monopolistic competitions?

Ques. No.:-2

- C. Define Management with its nature, importance, characteristics and principles?
- D. What is decision making? Discuss about the classical and administrative models with the steps followed under decision making?

Course Code:
Class: B.Tech (CS/IT)-V Sem.
Title: Object Oriented Technologies (OOT)
Assignment Number: 2
Last Dates for Submission: 10th Nov, 2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Question 1:

a) What is inheritance? Explain the advantage of inheritance with an example program. What are different types of inheritance supported by java?

b) Perform & Write down the following programs

i) Write a java program to find maximum between three numbers.

ii) Write a java program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following details:

Percentage > 90% : Grade A

Percentage > 80% : Grade B

Percentage > 70% : Grade C

Percentage > 60% : Grade D

Percentage > 40% : Grade E

Percentage < 40% : Grade F

Question 2:

a) What is polymorphism? Is Interface in Java, a kind of polymorphism? Justify your answer with the help of an example.

b) What is an exception? Explain how an exception is handled in Java. Explain hierarchy of different exception classes in java. Also explain why is it not necessary to handle runtime exception?