

Sai Nath University

Assignment For MCA 6TH Sem.

The Assignment will consist of two parts, A and B. Part A will have 5 short answer questions(40-60 words) of 4 marks each. Part B will have 4 long answer questions of 5 marks each.

All questions are compulsory.

These Assignments should be completed and submitted in written form by the student to his/her respective Faculty/ Examiners. Assignment Submission Dates are:

➤ **June-18**

List Of Suggested Questions

The list of suggested questions is for students to practice. Although optional, we recommend that students solve these questions, as they will help them in preparing for exams as well as in clearing the important concepts of the subject.

List of Practical and suggested practical's

The list of practical's should be done by the students in their Lab Sessions. These are the basic practical's, which each student should be able to do himself independently. While the list of suggested practicals are optional, but it is recommended that students should perform those practical so as to have a thorough knowledge of the subject

Education Delivery Schedule (EDS)

As per University Semester scheme, the minimum contact hours of each paper has been

Divided into two hours theory and practical class.

The faculty will maintain this attendance paper wise for his/her batch.

Subject Code	Subject Name
MCA 610 E-I	MOBILE & WIRELESS COMMUNICATION
MCA 620	GRAPH THEORY

SAI NATH UNIVERSITY

Cover page of Assignment

ID NUMBER
NAME
COURSE MCA.....
STREAM
SEM 6TH
SUBJECT CODE
SUBJECT NAME

Assignments will be completed by the Student in his/her own handwriting.

MCA 610E-1

MOBILE & WIRELESS COMMUNICATION

Part A

1. Write some differences between CDMA and GSM ?
2. What are the limitations of WiMax?
3. What are differences between UDP and TCP - Bluetooth ?
4. What are differences between Bluetooth and Wi-Fi ?
5. What is base station?

Part B

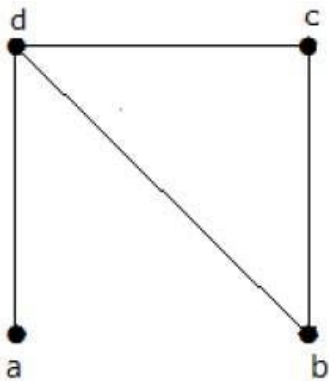
1. What is a WiMax gateway? How does WiMax works?
2. What are the uses of WiMax? What are the advantages of WiMax?
3. What is difference between CDMA and GPRS? Which one is better?
Why?
4. Explain: a)FDD b)TDD

MCA 620 E-III

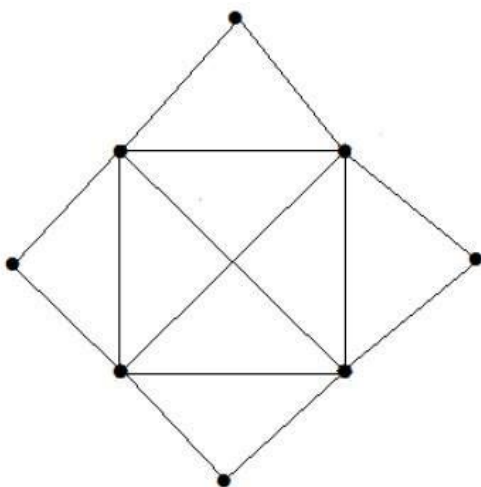
GRAPH THEORY

Part A

1. Find the number of spanning trees in the following graph.



2. How many simple non-isomorphic graphs are possible with 3 vertices?
3. Let 'G' be a connected planar graph with 20 vertices and the degree of each vertex is 3. Find the number of regions in the graph.
4. What is the chromatic number of complete graph K_n ?
5. What is the matching number for the following graph?



Part B

1. What is Prim's law? Explain with the help of example.
2. What is Kruskal's law? Explain with the help of example.
3. What is Dijkstra's law? Explain with the help of example.
4. What are applications of graph theory in engineering and other fields?