

TEACHING PLAN FOR THE PAPER : ALGEBRA -1 FOR B.Sc. (Hons) I SEMESTER

[1] Reference book: Linear Algebra and its Applications By David C Lay (3rd edn)

SECTION 1

2 weeks Section 1.1 to 1.4

2 weeks Section 1.5 to 1.9

1 week Section 2.1 to 2.3

1 week Section 2.8 to 2.9

1 week Section 5.1 to 5.2

SECTION 2

[2] Reference Book : Discrete Mathematics with Graph Theory By Goodaire and Parmenter
(3rd edn)

1 week Section 2.4

2 weeks Chapter 3

2 weeks Sections of Chapter 4

1 week Section 5.1.1 to 5.1.4

SECTION 3

[3] Reference Book : Complex Numbers From A To Z By Titu Andrescu and Dorin Andrica

1 week Chapter 2

Last week of the semester for revision and problems of students.

TEST PLAN

In all 3 class test in the semester.

Test 1 : Sections 1.1 to 1.9 and sections 5.1.1 ,5.1.2

Test 2 : sections 2.1 , 2.3, 2.8 ,2.9 Of [1] and section 2.4 of [2]

Test 3 : chapter 3, 4 , 5 and complex numbers.

Regular assignments are given to students to students.

This is a conceptual paper . Regular practice of concept application to problem solving is done in the tutorial classes with discussion.

LESSON PLAN FOR THE PAPER :LINEAR PROGRAMMING AND GAMES THEORY

SEMESTER 5TH , 3RD B.Sc.(Hons)

[1] Reference Book : Linear programming and Network Flows By Bazaraa , Jarvis , Sherali

6 weeks : Simplex method , Big-M method , Two Phase Method : theory and problems.

3 weeks : Duality : Theory and Problems

[2] Reference Book : Operations Research an Introduction By Hamdy A Taha (8th edn)

2 weeks : Assignment Problem and Transportation Problem

[3] Reference book : Introduction to Operations Research By Hillier and Lieberman

3 weeks : Games theory - theory and problems.

Last one week for revision and problem of students.

TEST PLAN

In all three tests in the semester.

Test 1 : Simplex method

Test 2 : Duality and AP and TP

Test 3 : Games Theory.

This is a problem oriented paper.lots of problems are done in the class.

Regular assignments are given to students for practice.

Tutorial classes are majorily used for practicing n discussion.

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