



Fayoum University
Faculty of Computers & Information
Final Exam Second Term 2019/2020

Course Name: Operations Research
Course Level: Second Level

Course Code: GEN 231

Course Dr. Name: Alaa Hashem Abdel-Hamid

Status: Pass Not Pass:

Write on one of the following two proposals

Proposal 1

Research Title: Operations Research (1)

Write on four points only of the following:

1. The graphical method for solving linear programming problem
2. Simplex method (maximization of objective function).
3. Simplex method (minimization of objective function (two-phase method)).
4. Transportation (Vogel method).
5. Solution of L.P. model with maximization of the objective function and mixed constraints.

Proposal 2

Research Title: Operations Research (2)

Write on four points only of the following:

1. The algebraic method for solving linear programming problem
2. Simplex method (minimization of objective function).
3. Simplex method (minimization of objective function (dual-method)).
4. Solution of L.P. model with minimization of the objective function and mixed constraints.
5. Transportation (least cost method).

With my best wishes.

Dr. Alaa Hashem Abdel-Hamid

Professor of Mathematical Statistics