

PGDM / PGDM(IB) 2016-18

Data Envelopment Analysis

DM-441/IB-419

Trimester – IV, End-Term Examination: September 2017

Time allowed: 2 hrs

Max Marks: 50

Roll No: _____

Instruction: The paper has 3 questions. Question 1 is compulsory. Answer any one from the next two questions. The problems have to be solved on the monitor provided to you. All relevant syntax and metrics of the solutions with final interpretations will have to be mentioned in the answer sheet.

Each question carries 25 marks.

Q1. Discuss cost efficiency along with its model. What is allocative efficiency? Use the data "retail-data" for the cost and allocative efficiency of each DMU. Interpret the outcome.

Q2. Discuss the forecasting from an output oriented CCR model in detail. Using the data "software-data", forecast for each DMU. Interpret the solution.

OR

Q3. Derive the mathematical formulation of input oriented oriented CCR multiplier model. Consider the data "software-data" for determining weights, efficiency and peers for all DMU.