

Iqra National University

Department of Civil Engineering

Final-Term Assessment

Discipline: MS Civil Engineering
Course Title: Water Demand Supply and Distribution
Course Code: CE- 562
Date: June 25, 2020

Note: You have total 6 hours to upload your answers on SIC. Your responses should be brief relevant and in your own words. Please do not write long stories. Feel free to contact me in case of any clarification required.

Q1. Define desalination and briefly describe various desalination methods? Which method is more effective, please elaborate briefly? **(15 Marks)**

Q2. Briefly describe merits and demerits of 4 types of water distribution layouts? Which layout will you recommend for newly proposed township in hilly area? Support your answer with justification? **(15 Marks)**

Q3. What are different types of reservoirs used in water supply systems? Briefly describe its importance and how its storage capacity be calculated? **(10 Marks)**

Q4. Why pumps are used in water supply schemes and how to calculate pump curve to meet water demand? **(10 Marks)**