**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

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**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. What is meant by desalination? What methods are used for desalination? In your opinion which method is more effective? Justify your answer. **(15 Marks)**

Q2. What are advantages and disadvantages of different types of water distribution layouts? Which layout system is more effective in newly proposed township in hilly area? Please justify? **(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. Briefly describe the function of water pump in water supply and discuss pump curve to meet the system design demand? **(10 Marks)**