



**Department Of Civil Engineering**

Mid Term Examination (Summer 2020)

**Subject:** Irrigation and Hydraulics Structures

**Duration:** 4 Hours

**Instructor:** Engr Jebran Khan

**Total Marks:** 30

**Semester:** B-Tech Civil Summer 2020

**Course Code:** CT-351

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**Note:** Attempt all the questions.

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**Q.NO.(01) (4+6)**

- (a) What is meant by irrigation. Briefly explain advantages of irrigation.
- (b) What are the techniques of water distribution in the farm.

**Q.NO.(02) (3+7)**

- (a) What is meant by headwork. Briefly describe types of headwork.
- (b) Explain in detail the components of a diversion headwork.

**Q.NO.(03) (5+5)**

- (a) State the assumptions of Kennedy. Write down the steps of Kennedy procedure for design of canal.
- (b) Elaborate Lacey theory. Give a comparison between Kennedy and Lacey theory

**THE END**