

INTERNAL ASSESSMENT
IRRIGATION ENGINEERING
2nd Year CE, F.M- 20

Q1. Define Duty, Delta and Base Period and established their relations.

The GCA of an irrigation project is $(1.5+R)$ lakhs hectares. The CCA is $(70+R_1)\%$ of GCA. The intensity of irrigation for Kharif and rabi crop are 55% and 50% respectively. If the duties for Kharif and rabi are 1300 hectare/cumec and 1500 hectare/cumec respectively. Determine the discharge at the head of the canal considering 18% provision for losses.

Q2. Define Canal head works and state their objectives.

Draw the components part of the Canal head works and explain its functions.

[R is the last two digit of your roll no and R_1 is the last digit of your roll no.]

The answer script should be sent in the following email Id along with the signature of the student in all pages.

email Id: civilhodjcgp2020@gmail.com Last date of submission: 12.08.2020

The original copy is to be submitted only when the Institution is open.

Sd/-
(Dr.Saibal Chakraborty)
Head, Civil Engineering Dept.