



KOMBOLCHA INSTITUTE OF TECHNOLOGY

WATER RESOURCES AND IRRIGATION ENGINEERING DEPARTMENT

Ground Water Modelling Project

TARGET GROUP: 5TH YEAR

Instructors: Gurmu D. & Tesfa Y.

MAXIMUM MARK: 15%

June, 2020

Submit to my e-mail: gurmud@gmail.com (section C&D)

&

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Name_____Id.No._____Sec._____

Note: Use the following softwares

- 1. EXCEL SPREADSHEET**
- 2. GIS OR**
- 3. SURFER**

1. A homogeneous aquifer is identified with Dirichlet boundary conditions as shown in the figure below. Determine the steady state hydraulic heads at the nodal points. Determine the ground water contours for this aquifer and show the groundwater flow direction.

