) Lapan and anterem types of aquiters! (10 degree)

2) Explain how Darcy determined his equation? Try to rearrange the equation using Transmissivity (T). (20 degree)

3) The following table represents the data of groundwater aguifer. (24 degree)

Transmissivity	Area of	Hydraulic	Hydraulic	Effective
ft²/day	discharge	conductivity	gradient	porosity
	well ft ²	ft/day		
20000	0.8	1000	1/1000	20.%

Damietta University
Faculty of Science
Geology Department

4th Year Examination (Jan 2024)

Hydrogeology Code: (き 404)

Time: 2 Hours
Full Mark: 90 degree

Answer the following questions: (Illustrate with simple sketches

1) Explain the different toward of accidence (16 docume)

- a) The entermed thickness of the equilibra
- b) Duscy velocity for the ground witer.
- c) The lime videoity of the ground witter.
- d) The mount of ground water discharge flow.
- 4) Diese the Millerhog:

(30 <u>dograc</u>j

- an) The farming their projections by the section of the section of
- b) How Insucedantity (T) can distribute the singular of the come of depression?
 - of the consequences of Executive Cheesel. White Wilhilmsoni.

Bost was a

Prof. Dr. M. Abdalastil