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M.Sc. Semester-I Examination, 2022
(AGRICULTURE) IN AGRONOMY
PAPER: AGRON 504 (PRACTICAL)
(PRINCIPLES AND PRACTICES OF WATER MANAGEMENT)

Full Marks: 50   **Time: 2 Hours**

Answer any __TWO__ questions from the following: **10X2 = 20**

1. A) A stream of 140 lit/sec was diverted from canal and 66.5 lit/sec was delivered to the field supply channel, calculate water conveyance efficiency.

   B) Calculate irrigation requirement from the following data:

Depth of soil (cm)	Field capacity (%)	PWP (%)	Bulk density (Mg/m^3)
0-15	28	18	1.30
15-30	25	16	1.40
30-45	22	15	1.45
45-60	20	14	1.50

   (5+5)

2. Preparation of soil moisture curve from different soil sample?   (10)
3. Identification of the samples: (10)
4. Laboratory note book.   5
5. Viva-voce.   5

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