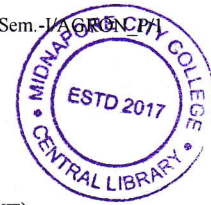**PG**
M.SC. SEMESTER-I EXAMINATION, 2023
(AGRICULTURE) IN AGRONOMY
PAPER: AGRON 504
(PRACTICAL)
(PRINCIPLES AND PRACTICES OF WATER MANAGEMENT)

Full Marks: 30   **Time: 3 Hours**

Answer the questions from the following:

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. Identification of the samples: 5
3. Laboratory note book.   5
4. Viva-voce.   10

******