Assignment 4

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1. Storage phase begins when the
   - a. Depression phase ends
   - b. Advance phase ends
   - c. Water is turned into the field
   - d. All of the above

No, the answer is incorrect. 
Acceptable answers:
- b. Advance phase ends

2. The field is divided into small units surrounded by ditches in
   - a. Based irrigation
   - b. Furrow irrigation
   - c. Sprinkler irrigation
   - d. All of the above

No, the answer is incorrect.

3. The vertical distance between the advance and recession phase comes to
   - a. Infiltration opportunity time
   - b. Depression Phase
   - c. Strang Phase
   - d. Recession Phase

No, the answer is incorrect.

4. The minimum land slope required for surface methods of water application is
   - a. 0.5
   - b. 0.05
   - c. 0.10
   - d. 0.11

No, the answer is incorrect.

5. The most suitable method of irrigation for potato crop is
   - a. Sprinkler Method
   - b. Drip Method
   - c. Furrow Method
   - d. Furrow Method

No, the answer is incorrect.

6. The border of dimension 6x1.82 m is being irrigated for 3 hours by a stream of 5 liters per second, the average depth (dm) of the advancing water is
   - a. 0.5
   - b. 1.0
   - c. 0.75
   - d. 0.7

No, the answer is incorrect.

7. An irrigation stream of 25 liters per second is directed to a check dam of size 10x1.5. The water holding capacity of the soil is 15%. The average and maximum retention in the root zone is 1.10 m deep prior to applying water is 1.10 m. How long should the irrigation be applied in the check dam if the root zone is filled to its capacity, assuming excess due to deep percolation and the soil apparent specific gravity of 1.27
   - a. 0.19 x 0.20
   - b. 0.12 x 0.19
   - c. 0.1 x 0.19
   - d. 0.1 x 0.2

No, the answer is incorrect.

8. A furrow system 0.8 m apart and 160 m long is having an infiltration rate of 16 liters per second with an advance time to the end of the furrow is 23 min. After that, the inflow rate is cut back to 0 liters per second and continued for 1 hour the average depth of irrigation (cm) is
   - a. 0.19 x 0.20
   - b. 0.12 x 0.19
   - c. 0.1 x 0.19
   - d. 0.1 x 0.2

No, the answer is incorrect.

9. The irrigation opportunity and advance times are 1hr and 11 minutes, respectively and the flow per unit width to a 0.30 m long furrow is 25 liters per second with an application depth of 23 cm, the application efficiency (in %) is
   - a. 64.81
   - b. 56.41
   - c. 78.77
   - d. 79.4

No, the answer is incorrect.

10. If the advance and cutoff times are 1 hr and 1 hr, respectively the irrigation opportunity time (in hr) is
   - a. 11
   - b. 10
   - c. 11
   - d. 10

No, the answer is incorrect.