Week 4 Assignment

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

Due on 2018-09-05, 23:59 IST.

1) Bench terraces are constructed at
   - (a) Mild slope
   - (b) Steep slope
   - (c) Flat land
   - (d) Gradual slope

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b) Steep slope

2) Purpose of broad base terrace is to
   - (a) shorten the slope length and reduce the erosion
   - (b) carry the runoff to a safe points
   - (d) facilitate the agricultural operations
   - (d) reduce the runoff

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a) shorten the slope length and reduce the erosion

3) Broad base terrace is also known as
   - (a) bench terrace
   - (b) channel terrace

Score: 0
4) Terrace spacing is expressed as
   (a) vertical interval (VI)
   (b) width of bench terrace
   (c) both (a) and (b)
   (d) horizontal interval

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   (a) vertical interval (VI)

5) If \( W \) is the width of bench terrace, \( S \) is the land slope, then for riser slope of 1:1, the vertical interval is given by
   (a) \( \frac{100-S}{WS} \)
   (b) \( \frac{2WS}{200-S} \)
   (c) \( 0.3\left(\frac{WS}{100+S}\right) \)
   (d) \( 0.2\left(\frac{WS}{200+S}\right) \)

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   (a) \( \frac{100-S}{WS} \)

6) For a given vertical interval, higher the terrace slope
   (a) smaller the width of terrace
   (b) larger the width of terrace
   (c) no change occur
   (d) width remain constant

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   (a) smaller the width of terrace

7) It is proposed to construct bench terraces on a 10% hill slope. If the batter slope is 1/2:1, the percent area that will be lost for cultivation due to bench terracing is
   (a) 5.47
   (b) 4.68
   (c) 6.25
   (d) 6.78

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   (a) 5.47

8) Table top bench terraces are suitable for areas receiving
   (a) medium uniformly distributed rainfall with medium permeable deep soils
   (b) heavy rainfall with permeable deep soils
   (c) low rainfall with permeable deep soils

   1 point
9) Bench terraces are constructed on a 10% hill slope. If the vertical interval is 1.5 m, the earthwork per hectare ($m^3$)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a) medium uniformly distributed rainfall with medium permeable deep soils

(d) very high rainfall with permeable shallow soils
No, the answer is incorrect.
Score: 0
Accepted Answers:
(a) medium uniformly distributed rainfall with medium permeable deep soils

10) Bench terraces are to be constructed on a hill having 15% slope. If the vertical interval of the terrace is 1.5 m, calculate area lost (%) when the batter slope of terrace is 1:1

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 15.94

1 point