

Unit 6 - Week 4

Course outline
How to access the portal?
Week 0 Assignment 0
Week 1
Week 2
Week 3
Week 4
<ul style="list-style-type: none"> Lecture 17 : Equipment for Paddy Transplanting Lecture 18 : Microcontroller based uniform seed rate application system Lecture 19 : GPS based automatic Variable rate fertilizer applicator Lecture 20 : Embedded GPS integrated Variable Rate Fertilizer Applicator Lecture 21 : Design of a seeding equipment: PART -1
<ul style="list-style-type: none"> Quiz : Assignment 4 Feedback for week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Week 11
Week 12
DOWNLOAD VIDEOS
Details Solution
Text Transcripts
Live Session

Assignment 4

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

Due on 2019-08-28, 23:59 IST.

- 1) **In an incline plate maize precision planter the percentage of seed spacing greater than 1.5 times the seed spacing set by the designer is known as** 2 points
- (a) Multiple index
(b) Quality feed index
(c) Miss index
(d) Performance index
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.
- 2) **As per BIS Standards the soil samples taken for measurement of puddling index has to be kept undisturbed for a minimum period of** 2 points
- (a) 10 hours
(b) 18 hours
(c) 24 hours
(d) 48 hours
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.
- 3) **In SRI cultivation, the normal age of seedlings to used for transplanting must lie between** 2 points
- (a) 8-15 days
(b) 20-25 days
(c) 16-18 days
(d) 25-30 days
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
a.
- 4) **The planting method normally practiced under semi-arid climate conditions is** 2 points
- (a) Flat surface planting
(b) Bed planting
(c) Furrow planting
(d) None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.
- 5) **In the designing a seed hopper, the relationship between the angle of inclination (θ) of the side walls of a trapezoidal shaped hopper and the angle of repose (α) of the seed mass for ease of flow of the seed is given as** 2 points
- a) $\theta > \alpha$
b) $\theta < \alpha$
c) $\theta = \alpha$
d) There is no relation between θ and α
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
a.
- 6) **Paddy is shown with a drum seeder at the seed rate of 20 seeds per 30 cm length of row. If the row spacing is 20 cm and the mass of 1000 seeds is 23 gm, then the seed rate is given by** 2 points
- (a) 23.0 kg/ha
(b) 76.67 kg/ha
(c) 153.33 kg/ha
(d) 172.5 kg/ha
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.
- 7) **As per BIS Standards, the weight of a tractor drawn seed drill including full weight of seed must not exceeds** 2 points
- (a) 18.5 kg/ drawbar hp
(b) 25 kg/ drawbar hp
(c) 35 kg/ drawbar hp
(d) 50 kg/ drawbar hp
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
a.
- 8) **The sensor used for measurement of the speed of a rotating shaft is** 2 points
- a) Potentiometer
b) Proximity sensor
c) Ultrasonic sensor
d) None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.
- 9) **An 8-row automatic transplanter is operating at a forward speed of 1.5 km/h. If the seedling spacing along the row is 0.15 m and row to row spacing is 0.28 m, then the required feed rate of seedling per minute used by the transplanter is equal to** 2 points
- a) 1250 seedling/min
b) 1300 seedling/min
c) 1333 seedling/min
d) 1400 seedling/min
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.
- 10) **The mechanism employed in a moving finger-type self-propelled paddy transplanter is known as** 2 points
- (a) Rack and pinion type
(b) Four bar linkage type
(c) Slider crank type
(d) Cam and followers type
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.