

Unit 5 - Week 3

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Assignment 3

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

Due on 2019-08-21, 23:59 IST.

- 1) **In a pneumatic planter, an aspirator blower is used to create a suction pressure in the blower inlet chamber in the range from** 2 points
- (a) 1 to 3 kPa
(b) 3 to 5 kPa
(c) 5 to 7 kPa
(d) 7 to 10 kPa
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.
- 2) **Soil covering device of a planting machine provide a soil compaction pressure at seed level in the range of** 2 points
- (a) 70 to 94 kPa
(b) 20 to 33 kPa
(c) 34 to 69 kPa
(d) 1 to 20 kPa
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.
- 3) **The type of a furrow opener suitable for stony and root infected soils is found to be of** 2 points
- (a) Hue type
(b) Shovel type
(c) Shoe type
(d) Inverted T-type
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
a.
- 4) **A 4-row animal drawn wheat seed drill with a row to row spacing of 300 mm is operated at 1.5 km/h. If the time losses based on observed total time for seeding 1 ha field are 15% in turning, 10% in seed filling and 10% in mechanical down time. Then field efficiency of the machine is given by** 2 points
- (a) 32 %
(b) 40 %
(c) 65 %
(d) 74%
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
d.
- 5) **Soybean is to be planted with a precision planter that meters 54 seeds per revolution of the metering disc powered from a ground wheel of diameter 490 mm. The desired plant pollution is 44800 per ha with a row to row spacing of 0.75 m. The germination percentage is 84. The planter is to be operated at 2.5 km h-1 with a 10 % skid of ground wheel then the angular speed of ground wheel in rpm is given by** 2 points
- (a) 20.3
(b) 24.6
(c) 28.3
(d) 32.6
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
b.
- 6) **The type of planting method recommended for semi-arid conditions of row crops such as corn, cotton and grain sorghum is** 2 points
- (a) Flat planting
(b) Raised bed planting
(c) Check row planting
(d) Furrow planting or lister planting
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
d.
- 7) **In an inclined plate planter, the angle of metering plate with the horizontal is given by** 2 points
- (a) 47°
(b) 45°
(c) 60°
(d) 67°
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.
- 8) **As per BIS standards the test for stationary calibration of seed drill is carried out at a ground speed of** 2 points
- (a) 2 km/h
(b) 3 km/h
(c) 5 km/h
(d) Both (b) and (c)
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
d.
- 9) **Single disk type furrow opener is more effective than double disk type furrow opener with regard to** 2 points
- (a) Penetration and cutting of trashes
(b) Only penetration
(c) Minimum soil disturbance
(d) None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
a.
- 10) **The precision seed metering device/method is** 2 points
- (a) Fluted roller type
(b) Internal double run type
(c) Seed-tape type
(d) Stationary orifice with agitator type
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
c.