

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain the constructional detail and working principle of Laser land leveller. (CO5)

Q.24 Explain the working principle and constructional detail of power thresher along with its components. What precautions should be taken while using thresher? (CO4)

Q.25 a) What are different types of nozzles used in sprayer? (CO2)

b) Describe the working principle of Potato digger. (CO3)

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## 5th Sem / Agriculture

### Subject : Farm Machinery & Implements - II

Time : 3 Hrs.

M.M. : 60

## SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 It is an equipment for interculturing used in paddy cultivation (CO1)

- a) Ditcher
- b) Scraper
- c) Hydrodozer
- d) Paddyweeder

Q.2 It is a spray lance with spray nozzles fitted to a head, mounted at right angle to the lance. (CO2)

- a) Spray gun
- b) Swirl plate
- c) Sprat boom
- d) Cut-off valve

Q.3 It is the clean grain received at main grain outlet with respect to total grain received at main outlet. (CO4)

- a) Cleaning Efficiency
- b) Threshing Efficiency
- c) Sieve loss
- d) Cylinder loss

Q.4 It is a machine to cut graincrops. (CO3)

- a) Reaper                      b) Mower
- c) Sickle                      d) Cutter

Q.5 It is used for rough levelling, cutting of high spots and filling of depression. (CO5)

- a) Ditcher                      b) Hydraulic scraper
- c) Shrub cutter                d) Plough

Q.6 It is a machine to generate and distribute gases or smoke (CO2)

- a) Flame gun                  b) Seed dresser
- c) Fumigator                  d) Duster

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 What is the function of a duster? (CO2)

Q.8 Give the function of Potato digger. (CO3)

Q.9 What is the function of wheel hand hoe? (CO1)

Q.10 Write two objectives of levelling. (CO5)

Q.11 Define concave clearance. (CO4)

Q.12 What is Depreciation? (CO6)

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### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the functions of a cultivator? (CO1)

Q.14 What are different types of spray? (CO2)

Q.15 Describe Registration and alignment of mowers. (CO3)

Q.16 What are the safety precautions during use of insecticides and pesticide? (CO2)

Q.17 Describe different losses during harvesting and threshing. (CO4)

Q.18 Describe the cost estimation of farm machinery. (CO6)

Q.19 State four organizations engaged in testing of farm machinery. (CO5)

Q.20 Describe working principle of conveyor reaper. (CO3)

Q.21 What is the procedure for selection of farm machinery. (CO5)

Q.22 What are the safety precautions during threshing. (CO4)

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