

- Q.21 Explain the procedure for cost estimation of farm machinery. (CO6)
- Q.22 List different organizations dealing in testing of farm machinery.(Any 4) (CO5)

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SECTION-D

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

- Q.23 Describe the working principle of a combine harvester alongwith its constructional detail. What are different adjustments of combine harvesters. (CO4)
- Q.24 Explain the working principle of a Laser Land Leveller alongwith its components and their function. (CO5)
- Q.25 What are different types of cultivators ? (CO1)

Time : 3 Hrs.

M.M. : 60

5th Sem / Agriculture Engg.

Subject : Farm Machinery & Implements -II

SECTION-A

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

- Q.1 It is a device to adjust the pressure of sprayer. (CO2)
 a) Relief valve b) Pressure regulator
 c) Over flow pipe d) Cut- off valve
- Q.2 It is the clearance between beater or cylinder tip and concave. (CO4)
 a) Concave clearance b) Cylinder clearance
 c) Horizontal clearance d) vertical clearance
- Q.3 It is an implement for inter cultivation with laterally adjustable tines. (CO1)
 a) Furrow opener b) Cultivator
 c) Harrow d) Plough

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Q.4 It is a machine to cut herbage and grass crops. (CO3)

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

Q.5 It is a lance from which the spray is readily adjustable during the operation. (CO2)

- a) Spray gun
- b) Swirl plate
- c) Spray boom
- d) Nozzle

Q.6 It is the quantity of crop fed into the inlet of thresher per unit time . (CO4)

- a) Concave clearance
- b) Clean grain
- c) Feed rate
- d) Unthreshed grain

SECTION-B

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

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

Q.8 What is the use of hay bailer ? (CO4)

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

Q.10 Give two benefits of land levelling . (CO5)

Q.11 What is the use of Pruning shears ? (CO3)

Q.12 What is the function of Straw reaper ? (CO4)

SECTION-C

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

Q.13 Describe the working principle of power thresher . (CO4)

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

Q.15 What are different types of cultivator ? (CO1)

Q.16 Describe losses during harvesting and threshing and their management. (CO4)

Q.17 Describe the working principle of Potato digger. (CO3)

Q.18 What are the safety precautions for using thresher? (CO4)

Q.19 What points should be considered for selection of farm machinery ? (CO5)

Q.20 Describe the working of happy seeder . (CO4)