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Roll No.

220154

5th Sem. / Agriculture Engg.
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 implement used for churning the soil in standing water. (CO3)
a) Bund former b) Ridger
c) Puddler d) Hoe
- Q.2 The percentage of unthreshed grains from all outlets with respect to total grain input in thresher by weight (CO4)
a) Cylinder Loss b) Sieve Loss
c) Visible damage loss d) Blower Loss
- Q.3 A narrow elliptical spray pattern is formed by which type of nozzle. (CO2)
a) Hollow cone nozzle b) Solid cone nozzle
c) Fan nozzle d) Pintle nozzle
- Q.4 It is an important equipment used in paddy cultivation (CO3)
a) Wheel hand hoe b) Paddy weeder
c) Spade d) Khurpa

- Q.5 It is a machine to dig holes for three plantation (CO1)
 a) Ditcher b) Scraper
 c) Hydrodozer d) Post hole digger
- Q.6 The threshed grain received from all outlets with respect to total grain input. (CO4)
 a) Cleaning Efficiency b) Threshing Efficiency
 c) Sieve loss d) Cylinder loss

Section-B

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

- Q.7 What is the function of straw combine? (CO4)
 Q.8 Give the function of Hedge trimmers? (CO3)
 Q.9 What is the function of Paddy weeder? (CO1)
 Q.10 State the objectives of land levelling. (CO5)
 Q.11 Write two precautions for safe use of insecticides (CO2)
 Q.12 What is the function of a reaper? (CO5)

Section-C

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

- Q.13 What are different tools used for interculturing? (CO1)
 Q.14 Describe Registration and alignment of mowers?(CO3)
 Q.15 Describe different types of nozzles used in sprayer. (CO2)

- Q.16 What are the factors that affect harvesting of crops? (CO4)
 Q.17 Describe working principle of conveyor reaper. (CO3)
 Q.18 List four organizations engaged in testing of farm machinery. (CO5)
 Q.19 List different types of horticultural tools. (CO4)
 Q.20 What are the safety precautions during use of insecticides and pesticide? (CO2)
 Q.21 What is the procedure for selection of farm machinery? (CO5)
 Q.22 Describe the working principle of knapsack sprayer. (CO2)

Section-D

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

- Q.23 Explain the working principle and constructional detail of power thresher along with its different components. Also explain safety precautions for the use of thresher. (CO4)
 Q.24 Explain the constructional detail and working principle of a Potato digger. (CO3)
 Q.25 Explain the constructional detail and working principle of Laser land Leveller. (CO5)