



KERALA AGRICULTURAL UNIVERSITY
B. Tech. (Agri. Engg.) 2024 Admission
IV Semester Final Examination – July 2026

FMP 2205

Farm Machinery and Equipment II (2+1)

Marks: 50
Time: 2 hours

I Match the following

(10x1=10)

	Column A	Column B
1.	Alignment	A. Chaff cutter
2.	Wire loop	B. Combine harvester
3.	Worm Gear	C. Vertical conveyor reaper
4.	Drift	D. Spindles
5.	Terminal velocity	E. Mower conditioner
6.	Crusher	F. Threshing cylinder
7.	Gathering loss	G. Aspirator
8.	Secateurs	H. Straw management
9.	Cotton picker	I. Sprayer
10.	Smart seeder	J. Pruning

II Write short notes on ANY FIVE of the following

(5x2=10)

1. VMD of droplet
2. Reel index
3. Electrostatic spraying
4. Cylinder loss
5. Straw walker
6. ULV spraying
7. Duster

III Answer ANY FIVE of the following

(5x4=20)

1. Write down the procedure for calibrating a field sprayer.
2. List various types of threshing cylinders used in threshers along with the suitable crops.
3. What is the difference between cotton picker and cotton stripper?
4. What are the constraints associated in the adoption of pickers and strippers for Indian varieties of cotton.
5. Describe working of a tractor operated potato digger elevator.
6. Describe the working of a Maize dehusker-cum-sheller.
7. Differentiate between Registration and Alignment of a cutterbar.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain the functions of different major units of a combine harvester. Also, enlist the different components of a combine harvester.
2. Explain different types of vegetable and fruit harvesters and discuss the challenges associated with their mechanization.
