

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2026***Sixth Semester**Agricultural Engineering***AI3601 - POST- HARVEST TECHNOLOGY***Regulations - 2021***Duration : 3 Hrs****Maximum : 100 Marks****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	Define Post Harvest Technology and its different stages with simple flow diagram.	2	1	2
2.	Write down the Equation to find out the Moisture content of grains after drying.	2	1	2
3.	Write note on Psychrometric charts and its uses.	2	2	2
4.	List out the Merits and Demerits of forced hot air drying?	2	2	2
5.	With simple sketch explain about inclined belt separator.	2	3	2
6.	What do you understand about performance index? Explain any ONE performance index of separator.	2	3	2
7.	Note on groundnut decorticator.	2	4	2
8.	What are the two major types of bucket elevators? Also, mention the subcategories of bucket elevators.	2	4	2
9.	TNAU method of parboiling process- Outline it.	2	5	2
10.	Name FIVE different steps involved in the oil seed processing.	2	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11. a	Illustrate HOT AIR OVEN Method of Moisture measurement with all its salient features.	2	1	16
	Or			
b i	Explain with neat sketch about the paddy thresher.	2	1	8
	ii Narrate about post harvest losses of cereals, pulses and oilseeds.	2	1	8
12. a	Describe about LSU Dryer with its three different drawings for its Uniqueness, working principle, Capacities and Air Flow rates. Also explain its advantages and Disadvantages.	2	2	16
	Or			
b i	Contrast between thin layer and deep bed drying.	2	2	8
	ii With neat sketch and valuable points, explain about the Fluidized Bed Dryer (FBD).	2	2	8
13. a	Illustrate with neat sketch about the Air Screen Cleaner with various parts of it and explain all seven types of its adjustments.	2	3	16
	Or			
b	Schematically explain about TWO Major types of Colour sorters / separators.	2	3	16

14.	a	Describe with neat sketch about Husker Sheller for Maize.	2	4	16
Or					
b	i	Explain about belt conveyor along with its discharge capacity also mention different angles of idlers used in belt conveyor.	2	4	8
	ii	Explain about the screw conveyor along with its nomenclature and discharge capacity, also mention its applications.	2	4	8
15.	a	Discuss about the layout of modern rice mill along with its rice milling stages and its functions with description of flow chart of materials and processes.	2	5	16
Or					
b	i	Discuss with Flow chart about wet milling method and dry milling method and its purposes.	2	5	8
	ii	Illustrate with neat sketch about Husk separator with plansifter.	2	5	8
