

Reg.No. \_\_\_\_\_



# Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)  
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

## End Semester Examination – Nov/Dec – 2016

**Code : 14FP2025**  
**Sub. Name : Cereal and Pulses Technology**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

### ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Elaborate the basic principle, process and various methods involved in paddy parboiling.	CO1	15
	b.	Draw a neat labeled diagram the anatomy of wheat grain.	CO1	5
(OR)				
2.	a.	Explain the importance and methods of grain drying.	CO1	5
	b.	Briefly explain the construction and working of LSU dryer with neat diagram.	CO1	15
3.	a.	Explain in detail various milling operations with machinery involved in hulling with neat labeled diagram.	CO1	15
	b.	Mention the importance of whitening process in milling of rice.	CO1	5
(OR)				
4.	a.	Write the process involved in manufacture of glucose syrup and its application in food industry.	CO2	15
	b.	Short note on Soy Protein Isolate.	CO2	5
5.	a.	Discuss the various steps involved in working of a mini dhal mill.	CO2	15
	b.	Explain the importance and process involved in degumming of oils.	CO2	5
(OR)				
6.	a.	Explain in detail various milling and processing of maize with flowchart.	CO2	20
7.	a.	Explain in detail various pressure distribution theories considered while designing a storage silo.	CO3	20
(OR)				
8.	a.	Write a note on oil extraction of corn using soxhlet apparatus with neat labeled diagram.	CO2	20
<b><u>Compulsory:</u></b>				
9.	a.	Describe about modern storage structure for cereal grains with neat labeled diagram.	CO3	15
	b.	Write a note on fumigation.	CO3	5

ALL THE BEST