

Total number of printed pages-2

53 (FPT 402) CLPT

2021

**CEREALS AND LEGUMES
PROCESSING TECHNOLOGY**

Paper : FPT 402

Full Marks : 100

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

Answer any five questions.

1. What do you mean by screening? Discuss the different factors that affect the effectiveness and capacity of screen. Explain in details the construction and working principle of trommel with neat sketches. 20
2. Discuss the different biological, physical, frictional properties of agricultural food materials with examples. 20
3. Write short notes on : 20
 - (a) Vibratory screen
 - (b) Roundness ratio

Contd.

- (c) Cyclone Separator
- (d) Schematic diagram of Paddy Sheller.
4. What are the various Laws of grinding? Explain them.
Explain the functioning of hammer mill with neat diagram. 20
5. What are the various applications of Size Separation/Screening in Food Processing? 20
6. Define the term 'Moisture Content'. Discuss different methods for determination of moisture content. 5+15=20
7. Differentiate the following: 5×4=20
- (a) Sorting and Grading
 - (b) Wet Screening and Dry Screening
 - (c) True Density and Bulk Density
 - (d) Ideal Screen and Actual Screen.

