

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2017  
(Second Semester)

Branch - FOOD PROCESSING TECHNOLOGY

GRAIN TECHNOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 What is milling?
- 2 Name the types of rice.
- 3 What is the role of purification process in wheat milling?
- 4 List down the by-products of wheat milling.
- 5 What is meant by aspiration?
- 6 Draw and table the parts of sorghum.
- 7 What is pitting?
- 8 Explain esterification.
- 9 State the advantages of malting.
- 10 Give examples for grain handling equipment.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11 a What is parboiling? Explain CFTRI method.

OR

b Explain the working of LSU drier.

12 a Draw the structure and write the composition of wheat.

OR

b How will you check the quality of wheat flour?

13 a Explain the process of high Fructose com syrup production.

OR

b Brief on dry milling of com.

14 a Explain - Hydraulic press method of oil extraction.

OR

b Discuss in brief on refining process of oil.

15 a Explain the design and working of bucket elevator.

OR

b Discuss on improved traditional storage structures.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Elaborate the steps involved in modern rice milling process.
- 17 Draw and explain the wheat milling flowchart.
- 18 Explain the Oat milling process in detail.
- 19 Write in detail on dry milling process of Green gram.
- 20 Discuss on the types of insects that