

17582

11819

2 Hours / 50 Marks

Seat No.

--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any SEVEN :

7 × 2 = 14

- (a) What are the advantages and disadvantages of artificial drying ?
- (b) What are the different methods of seed treatment ?
- (c) State the importance and scope of PHT.
- (d) Write the working principle of Divergent belt grader.
- (e) What is the importance of material handling equipments ?
- (f) What are the methods of preparation of squash ?
- (g) What are the factors affecting storage ?
- (h) State and explain screen analysis.
- (i) What is the purpose of drying ?
- (j) What are the importance of Cleaning & Grading ?

[1 of 2]

P.T.O.

2. Attempt any FOUR :**4 × 3 = 12**

- (a) What is deep bed drying ? Explain in detail.
- (b) Explain contraction and working of magnetic separator.
- (c) What are the different methods of bagging ?
- (d) What are the principles of size reduction ?
- (e) State the operation and maintenance of Pneumatic conveyer.
- (f) Explain the methods of preparation ketchup.

3. Attempt any FOUR :**4 × 3 = 12**

- (a) Explain the different methods used for determination of moisture content.
- (b) State and explain the working principle of spiral separator.
- (c) What are the requirements and function of packaging materials ?
- (d) Explain in detail about construction and working of crushing roll.
- (e) What are the principles of canning ?
- (f) Explain in detail preparation of syrup.

4. Attempt any FOUR :**4 × 3 = 12**

- (a) What is the relationship between dry and wet basis moisture content ?
 - (b) What is the importance and working principle of screen grader ?
 - (c) What are the need and importance of storage ?
 - (d) Explain in detail construction and working of Hammer mill.
 - (e) What are the needs and importance of canning ?
 - (f) Explain the methods of preparation of jelly.
-