

- Q.27 Describe the dry milling process of pulse milling.
- Q.28 Differentiate between oil extraction and oil expression.
- Q.29 What are the various machine parameters that affect pulse milling out turn?
- Q.30 Explain the solvent extraction process in brief.
- Q.31 Explain the principle of operation of vertical cone rice whitener.
- Q.32 Explain working principle jaw crusher.
- Q.33 Describe the principle and working of magnetic separator.
- Q.34 How to minimize the breakage of rice in rice mill?
- Q.35 Write a short note on utilization of by-product of rice mill.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain in detail the layout and plan of seed processing plant.
- Q.37 Describe the various machines used for making the animal feed from feed ingredients.
- Q.38 Explain various unit operations of a wheat mill. Draw the flow diagram of a flour mill.

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5th Sem. / Agri. Engg.

Subject:- Agro Process Engineering

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The removal of few large particles in an initial process is:
- a) Cleaning b) Scalping
c) Grading d) Sorting
- Q.2 The putting a product into a package is called
- a) Packaging b) Blending
c) Storage d) Polishing
- Q.3 Oil seed cakes are obtained by _____
- a) Solvent extraction b) Mechanical pressing
c) Both of these d) None of these
- Q.4 Specific contaminant removal from the seed involves
- a) Separating b) Cleaning
c) Grading d) Storage
- Q.5 Objective of conditioning in pulse milling
- a) To loosen the husk b) To tighten the husk
c) To separate the husk d) None

- Q.6 The process of removing bran layer from paddy kernel is called:
 a) Dehusking b) Whitening
 c) Policing d) None of these
- Q.7 The total quantity of head rice plus broken of all kind after milling is _____
 a) Degree of milling b) Milled rice
 c) Milling yield d) None of these
- Q.8 The clearance between rubber roller in rubble roller sheller
 a) Equal to paddy thickness
 b) Smaller than paddy thickness
 c) Greater than paddy thickness
 d) None of these
- Q.9 Classification of cleaned grain into various fraction is called
 a) Cleaning b) Grading
 c) Sorting d) Separating
- Q.10 Separation of grains by Spiral separator is made on the basis of:
 a) Weight b) Roundness
 c) Length d) Size

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name any two bi-products of rice mill.

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- Q.12 The soaking of paddy in hot or cold water before paddy milling is known as _____
- Q.13 Classification of cleaned grain into various fractions is called _____
- Q.14 Reduction of food grain into various end products is called _____
- Q.15 Mechanically pressing liquid out of liquid containing solid is called _____ process.
- Q.16 Define Storage.
- Q.17 Name any two oil expression devices.
- Q.18 The putting a product into a package is called _____.
 Q.19 Define Delinting of cotton seed.
 Q.20 Separating liquid from a liquid solid system with the use of solvent is called.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Describe in brief the paddy grain structure.
- Q.22 Explain the CFTRI method of paddy parboiling.
- Q.23 Describe the working of screw press machine in oil mill.
- Q.24 Explain the acid delinting of cotton seeds.
- Q.25 Explain the principle and working of air screen cleaner-cum-grader.
- Q.26 Explain the principle of operation of under runner disc sheller.

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