

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x8=16)

- Q.23 What do you mean by seed processing? Explain the various steps followed in seed processing showing the flow diagram. (CO1)
- Q.24 Describe various components their operation and performance of wheat mill. (CO4)
- Q25 What is rice milling? List various unit operations of a rice mill. Draw the flow diagram of rice milling process. (CO2)

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Roll No.

4th Sem. /AGRI Engg. Subject : Agro Process Engineering

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 Classification of cleaned grain into various fractions is called. (CO1)
- a) Grading b) Cleaning
c) Milling d) Sorting
- Q.2 In Oil extraction unit, the most commonly used solvent is : (CO5)
- a) n-heptane b) n-hexane
c) Nepthene d) All are correct
- Q.3 Which of the following is not a step in Modern Milling of Wheat? (CO4)
- a) Stone Grinding b) Wheat Conditioning
c) Wheat milling d) Cleaning
- Q.4 Mechanically pressing liquid out of liquid containing solid is called _____ process. (CO5)
- a) Extraction b) Crushing
c) Expression d) Rubbing

Q.5 In Animal feed manufacturing the purpose of grinding. (CO6)

- a) Particle-size reduction
- b) Increase the particle size
- c) Both A & B
- d) None

Q.6 The soaking of paddy in hot or cold water before paddy milling is known as. (CO2)

- a) Husking
- b) Polishing
- c) Whitening
- d) Parboiling

Section-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Slurry treater is a _____ type of seed treater. (CO1)

Q.8 Write the full form of CFTRI. (CO2)

Q.9 The process of removal of bran layer is called _____ process. (CO2)

Q.10 Extraction process gives _____ yields of oil as compare to expression. (Higher/Lower) (CO5)

Q.11 Define blending. (CO4)

Q.12 The process of separating a liquid from a liquid-solid system with the use of solvent is called _____. (CO5)

Section-C

Note: Short answer type Question. Attempt any eight questions out of ten Questions. (8x4=32)

Q.13 Describe the principle and working of Air screen cleaner - cum - grader. (CO1)

Q.14 Explain the mechanical delinting of cotton seeds. (CO1)

Q.15 Describe various animals feeds and sources of their raw material. (CO6)

Q.16 Suggest the methods to minimize the breakage of rice. (CO2)

Q.17 Describe the working principle of hydraulic press machine used in oil mill. (CO5)

Q.18 Write down various steps in Wheat milling process. (CO4)

Q.19 Explain the principle of operation of rubber roller sheller. (CO2)

Q.20 Describe the CFTRI method of parboiling. (CO2)

Q.21 Describe the working of a vertical cone rice whitener. (CO2)

Q.22 Explain the Wet Milling Process of Pulses. (CO3)