

Q.22 Write down the criteria for the selection of size-reduction equipment.

SECTION-D

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

Q.23 Discuss different types of homogenizers and their applications in food industries.

Q.24 Explain different types of mixers and their application in food industries.

Q.25 Discuss different types of cleaning equipment and their applications in food industries.

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2nd Sem. / Food Technology

Subject : Unit Operations in Food Processing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Which of the mentioned come under size reduction equipment

- a) Ball mill b) Roll crusher
- c) Jaw Crusher d) All the mentioned

Q.2 Extraction comes under which of the mentioned?

- a) Unit operation
- b) Unit process
- c) None of the mentioned
- d) Unit Process and Unit Operation

Q.3 Which of the following operations uses gravity?

- a) Decantation b) Sedimentation
- c) Settling d) All the mentioned

- Q.4 Evaporation is considered as considered?
- Boiling
 - Removal of water
 - Process of concentrating
 - Drying
- Q.5 Cyclone separator is used to separate which of the mentioned?
- Solids particles from liquid
 - Liquid particles from liquid
 - Solid and liquid particles from gases
 - Solids from gases only
- Q.6 The rate of filtrations is minimum at
- Early stage
 - Middle stage
 - The final stage
 - Uniform throughout the filtration process

SECTION-B

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

- Q.7 Cleaning is a type of separation process. (True/False)

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- Q.8 ASTM stands for _____
- Q.9 Distillation is a type of separation process. (True/False)
- Q.10 Name any filter aid material _____
- Q.11 Crushing is a type of size reduction process. (True/False)
- Q.12 Grading separate food on the basis of the physicochemical properties. (True/False)

SECTION-C

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

- Q.13 Differentiates sorting and grading methods.
- Q.14 Write short notes on cleaning.
- Q.15 Describe the concept of distillation.
- Q.16 Discuss different types of force involved in the size reduction process.
- Q.17 Explain crystallization process.
- Q.18 Write short notes on the filtration process.
- Q.19 Explain the reverse osmosis process.
- Q.20 Discuss any four screens used in the sieving process.
- Q.21 Differentiate distillation and extraction process.

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