Exam.Code:1305 Sub. Code: 9524

1127

B. Voc. (Food Processing and Preservation) Fifth Semester BFP-504: Cereal and Pulse Technology

Time allowed: 3 Hours

Max. Marks: 60

NOTE: Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x - x - x

- I. Attempt the following:
 - a) Activated charcoal
 - b) Malto Dextrin
 - c) Rice bran
 - d) Major pulses of India
 - e) Pulse pearler
 - f) Pneumatics

<u>UNIT – I</u>

- II. a) Enlist the different by products formed after paddy processing and their uses in detail.
 - b) Difference between hot and cold water soaking processes of paddy. (12)
- a) What are cereals and pulses? Discuss composition and quality characters tics of paddy in detail.
 - b) LSU Dryer and it's uses.

UNIT – II

- IV. What is rice milling? Discuss difference between Engelberg Huller mills and Modem Rice mills and their components in detail. (12)
- V. a) Difference between Bran and broken separators.
 - b) What are paddy polishers? Why they are important? Discuss different types of paddy polishers used. (12)

UNIT – III

- VI. a) What are the merits and demerits of splitting of pulses in pulse splitter?
 - b) Give the working and principle of Mini dal mill. Discuss a its advantages and disadvantages in detail. (12)

P.T.O.

(6x2)

(12)

(2)

VII. a) What are the merits and demerits of traditional milling of pulsesb) Discuss the pulse flour products and their industrial applications in detail. (12)

UNIT - IV

VIII. a) Explain products of milling and their applications in detail.b) Write note on storage and handling of grains. (12)

- IX. Discuss different processes involved in conversion of maize in to starch and other value added products in detail. (12)

x - x - x

(a) huline tips different by products formed after peddy processing and their uses so

(12) Difference between For and cold water soldling processes of product, _____ (12)

 a) What are creats and pulses? Discuss composition and fushty phenoture tics of paidy in deale

b) 1.80 they ar and it's uses.

(21)

H-THU

What is not milling? Discuss difference between Engelberg Huller mills and blocker free mild and their components in detail. (12)

a) Difference between larm and broken separators.

b) when are paddy polishers? Why they are important? Disense different types, o nader polishers used.

HI-TINU

1 what we the period and dediction of quilting of pulses in pulse splitter?
5 Give the working and principle of Mini def.mill. Discuss a us advanages and deservation details.

O.L.S