TB154505A **Reg. No. ……**

Name……...

B. VOC. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017
SEMESTER IV – FOOD PROCESSING TECHNOLOGY
VFP4S13TB - TECHNOLOGY OF CEREALS, PULSES AND OILSEEDS

Time: Three Hours **Maximum Marks: 80**

PART A

I. Answer all questions. Each question carries 1 mark

1. Define parboiling process
2. Differentiate between neutralization and dewaxing.
3. Give any two uses of rice bran oil.
4. List the different methods involved in oil expression.
5. Define hydrothermal treatment/conditioning process.
6. List the composition and nutritive value of paddy.

(6×1=6)

PART B

II. Answer any seven questions. Each question carries 2 marks

7. Draw the flowchart for rice processing.
8. What are the factors considered for dryer design?
9. What are the functions of break roll and reduction roll in wheat mill?
10. What are the objectives of parboiling process?
11. Describe the different steps involved in wheat milling.
12. Describe the chemical composition and nutritive value of pulses.
13. Define solvent extraction process.
14. Differentiate between dewaxing and winterization.
15. Differentiate between fractionation and hydrogenation
16. Differentiate between grading and sorting.

(7×2=14)

PART C

III. Answer any five questions. Each question carries 6 marks

17. Write short notes on dry milling of pulses.
18. Explain in detail the working of vibratory air screen cleaner.
19. Write short notes on wet milling of pulses.
20. Explain in detail different parboiling process.
21. Write short notes on rubber roll sheller with neat diagram.
22. Describe the working of hydraulic press.
23. Explain in detail the refining process of crude bran oil.
24. Write short notes on glazing process.

(5×6=30)

PART D

IV. Answer any two questions. Each question carries 15 marks

25. Explain different steps involved in parboiling. State the advantages and disadvantages of parboiling.
26. Explain in detail components and process involved in wheat milling.
27. Explain the working of LSU dryer with neat diagram.
28. Explain the important unit operations involved in pulse milling.

(2×15=15)