| TB155510A | | . No |
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| | Nan | ne |
| B.VOC DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2017 SEMESTER V-CORE COURSE (FOOD PROCESSING TECHNOLOGY) VFP5S18TB – ENGINEERING PROPERTIES OF FOODS | | |
| Time: Three Hours Maximum Marks: 80 | | |
| PART A | | |
| I. | Answer all questions. Each question carries 1 mark. | |
| 1. | Define Newtonian liquid? | |
| 2. | Define specific heat. | |
| 3. | What is terminal velocity? | |
| 4. | • | |
| 5. | What is Viscoelasticity? | |
| 6. | Define porosity. | |
| | D. D. D. D. | $(6\times1=6)$ |
| PART B | | |
| II. | Answer any seven questions. Each question carries 2 mark | KS. |
| 7. | Define specific gravity and explain any method to determine | it. |
| 8. | Differentiate between angle of repose and coefficient of fricti | on. |
| 9. | What is drag coefficient? | |
| 10. | . Differentiate thermal conductivity and thermal diffusivity. | |
| 11. | . Write a brief note on optical properties. | |
| 12. | . What are the causes of mechanical damage? | |
| 13. | . Explain in detail physical properties of food material. | |
| 14. | , 11 | |
| 15. | | |
| 16. | 6. Give all the textural properties of foods. | |
| | PART C | $(7\times2=14)$ |
| III. | | S. |
| 17. | • | |
| 17. | Explain aerodynamic property of food material and write its application. Describe an apparatus and its working procedure to find angle of repose with neat | |
| 10. | sketch. | |
| 19. | | |
| 20. | - | |
| 21. | _ | |
| 22. | - · · · · · · · · · · · · · · · · · · · | |

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23. Write short notes on mechanical models.

(P.T.O)

24. Describe platform scale method.

 $(5 \times 6 = 30)$

PART D

- IV. Answer any two questions. Each question carries 15 marks.
- 25. Explain the methods to determine the texture of a food material?
- 26. Explain rheology, its classification and rheological classical ideal bodies with neat sketch?
- 27. Explain the determination methods to find specific gravity.
- 28. Explain any two types of viscometers.

 $(2 \times 15 = 30)$