



Department of Food Technology
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi-110062
END SEM EXAMINATION, May, 2023. B Tech 4th SEM
Paper Title: Food Engineering I; Paper Code: BFTC - 404

Roll No.

B.Tech,
4th Sem
2023

Encircle the correct answer in MCQs. Do not Tick. Write your Roll No, before you start.

Section-A (15 Marks, Attempt All, Submit within 15 Min)

Questions	Mapping
Q1. Is the formula for Reynolds No	PO: 1,3,4/CO: 3.5.6
Q2. 10L/s ism ³ /s	PO: 1.2,3 /CO: 2.3,4
Q3. Type L can is used for canning of foods	PO: 1,4/CO: 1.3.5
Q4. In solid like foods, cold point is at	PO: 1,4/CO: 3,4.5
Q5. If an organism shows 30 survivors from an initial population of 5×10^6 after 10 min, its D value is.....min	PO: 1.2,4/CO:1.2.6
Q6. Millard browning occurs between &	PO: 1.2,3/CO:1.2.6
Q7. Darcy equation is applied, when: a. Cross sectional area is constant b. Mass flow rate is constant c. Pressure is constant d. None	PO: 2,4/CO:1.2.6.7
Q8. High levels of fat or entrapped air tend to reduce the rate of freezing (T/F)	PO: 1,4/CO:1.2.7
Q9. The D value changes as the population decreases (T/F)	PO: 1.3,4/CO: 1.3.5
Q10. The equation for Poiseuille's Law is: a. $Q = \frac{\Delta PR^4 \pi}{32 \mu l}$ b. $Q = \frac{32 \Delta PR^4 \pi}{8 \mu l}$ c. $Q = \frac{\Delta PR^4 \pi}{8 \mu l}$ d. $Q = \frac{\Delta PR^4 \pi}{4 \mu l}$	PO: 1,3,4/CO: 3.5.6
Q11. As per Darcy Equation, pressure change doesn't depend on head loss (T/F)	PO: 1,3,4/CO: 3.5.6
Q12. In order to make the reaction rate more accurate, we multiply the no. of moles to to reaction rate (T/F)	PO: 1,3,4/CO: 3.5.6
Q13. MC type cans are high in: a. Copper b. Phosphorus c. Iron d. Aluminium	PO: 1.2,3/CO:1.2.6
Q14. The air speed in Air blast freezers is between andm/s.	PO: 1.2,4/CO:1.2.6
Q15. The value of P and R for infinite plate is: a. 1/4 and 1/8 b. 1/6 and 1/16 c. 1/4 and 1/16 d. 1/6 and 1/24	