Q.30 Define diagrar	vacuum. Describe wi m.	ith the help of		. of Printed Pages : 4 Il No	121145	
	short note on triangular cchanger.	& square pitch		3rd Sem. / Food Technology Subject : Principles of Food Engineering		
	32 What is the heat transfer? Write short note on radiation.			e : 3 Hrs.	M.M. : 100	
	SECTION-D		SECTION-A			
Note: Long a	nswer type questions. A	ttempt any three (3x10=30)	Note	e:Objective type questions compulsory.	a. All questions are (10x1=10)	
•	n size & shape of food ma grams & equation used to city.	•	Q.1 Q.2	SI unit of current Laxis for colour measurem		
	34 Illustrate manometer? Explain U type manometer with the help of diagram.			Density Is represented by_		
	.35 Describe the various type of fluid flow with the help of diagram			Q.4 Equation for % porosity is Q.5 Reynolds No. is denoted by		
Q.36 What is heat transfer? Describe in detail the modes of heat transfer.			Q.6	The range of Rynolds No	o. for laminor flow is	
			Q.7	The rate of heat trans	sfer by conduction	
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Q.8	Equation for mass transfer coefficient $k_c = $			Q.19 Give the equation used for sphericity.		
Q.9	Time & temperature combination for LTLT is		Q.20 Define relative humidity.			
	·			Q.21 Define WBT.		
Q.10	Time & temperature combination for Autoclave			Q.22 Define density. Give its SI formula.		
	is		SECTION-C			
	SECTION-B					
Note	ote: Very Short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)		Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)			
Q.11	Define viscosity.		Q.23 Discuss the physical properties of food material with the help of examples.			
Q.12	12 Define absolute pressure.			Q.24 Write short note on centrifugal pump.		
Q.13	Write down the two supplementary units of SI system of measurement & give their Symbols.		Q.25	Q.25 Write down the all base units of SI system along with example & symbols.		
Q.14	Q.14 Define Laminar fluid flow.			Q.26 Define pumps, in list most common pump		
Q.15	5 Define pump			in food industry.		
Q.16	Give the laqranjian method to describ	e the fluid	Q.27 Write short note on boiler maintenance.			
	flow.		Q.28 Define gauge pressure. Describe with the he			
Q.17	2.17 Define moisture content.			of diagram.		
Q.18	B Define positive displacement pump.			Q.29 Categorize the fluid flow on the basis of Change in time.		
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