

## KERALA AGRICULTURAL UNIVERSITY B.Tech.(Food Engineering) - 2019 Admission Re- Examination - May 2022

Basc.1103

light with neat diagram.

## **Engineering Physics (2+1)**

Marks: 50 Time: 2 hours

I		Fill in the blanks	(10x1=10)
	1.		
		cooled to its critical temperature is called	
	2.		
	3.		
	4.		
	5.		
	6.	6 1	
	7. 8.		
	9.		
	).	materials.	
	10.		
II		Write short notes on ANY FIVE of the following	(5x2=10)
	1.		
	2.		
	3.	and the second of the second o	ctor?
	4.		
	5. 6.		
	7.		
	1.	renomagnetism	
III		Answer ANY FIVE of the following	(5x4=20)
	1.	Meissner effect	(344-20)
	2.	How to find out the viscosity of a liquid by Stoke's method?	
	3.	Derive the law of mass action.	
	4.	Distinguish between Semiconductor and Insulator.	
	5.	Briefly explain about the formation of Newton's ring.	
	6.	Compare Stark effect and Zeeman effect.	
	7.	Langevins theory of Diamagnetism	
V		Write an essay on ANY ONE of the following	1-10 10
	1.	Explain the principles of laser. Describe Nd-YAG laser. Give its uses.	1x10=10)
	2.	How to determine the wavelength of different colours using diffraction grating w	ith white
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