SUBJECT CODE NO: - YY-2334 FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. F.Y (Sem-II)

Examination March / April - 2023 Chemistry Paper-V Applied Chemistry

[Time	: 1:30 Hours]	[Max. Marks: 40]
	Please check whether you have got the right question paper.	. 660 M. S. J.
N. B	1) All questions are compulsory.	
	2) All questions Carry equal marks	
	3) Draw neat diagram and give labels wherever necessary	, the to
Q1	a) What is the principle of paper Chromatography? Explain the paper chromatography in detail.	10
	\mathcal{O} OR \mathcal{O}	
	b) Explain is brief	
	i) Classification of drugs.	
	ii) Preparation of paracetamol	
Q2	a) Explain the process of manufacture of glass.	10
χ-	OR	
	b) Explain in brief	
	i) Concept of chromophore	
	ii) Concept of auxochrome	
Q3 J	Write short notes on (any two)	10
(%)	a) Determination of R _f value	10
	b) Properties of ideal drug	
	c) Varieties of glass	
	d) Types of fertilizers	
Q4 (Choose Correct option for the Following	10
Q+ (Chromatography is a physical method that is used to separate and an 	
5	(a) Complex mixture (b) simple mixture	laryse
	(c) Amino acid (d) All of these	
	2) Preparation of TLC plate is done by	
	(a) Dipping (b) spreading (c)Spraying (d) All of these	

3)	are used as adsorbents.
	(a) Activated alumina (b) Silica gel
	(c) Molecular sieve (d) All of these
4)	Which of the following functional group in paracetamol?
ĺ	(a) Anilide (b) phenolic-OH (c) Both a & b (d) None of these
5)	Glass is a mixture of
-,	(a) Metallic silicates (b) Non metallic silicates
	(c) Metallic acetate (d) Metallic Carbonates
6)	How many different types of glasses are there?
0)	(a) 4 (b) 10 (c) 15 (d) 1
7)	Select the wavelength range Corresponding to uv-vis region
')	(a) 400-800 mm (b) 25 µm-2.5 µm
	(c) 200-800nm (d) $2.5 \mu \text{m} - 1 \text{ mm}$
8)	The possible transitions for water molecule in uv-visible region are
0)	
0)	(a) $6-6*$ (b) $n-\pi^*$, $\pi^-\pi^*$ (c) $6-6*$, $n-\pi^*$ (d) $n-6*$
9)	Bathochromic shift is also Called shift.
400	(a) Red (b) Violet (c) blue (d) yellow
10)	Urea is fertilizer.
	(a) phosphorus (b) Nitrogenous (c) Potash (d) None of these
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