BP-302T						ı	ı									
Roll No.																
	OI	DD SI	EMES	STER	EXA	4MI	NAT	ION	, 202	2-23	3					
COURSE NAME :- B.PHARM																
SEMESTER- III																
	SI	JBJE	ECT :	- PH	YSI	CAL	PH	ARI	MAC	CY I						
TIME: 3 HOURS													MAX	K MA	RKS:	75
			N	OTE	: Atı	temp	t all	par	ts.							
					PA	RT	Α									
ATTEMPT ALL QU	ESTIC	ONS													10X	2=20
1. Ethanol is added to a) Solvent	water t					-	-	-	•			_	•		g as a	a:
2. According to IP, "Freely soluble" means parts of solvent required for one part of solute:																
a) < 1	b) 10-3	30			c) 3	30-1	00			d)	) 1	-10				
3. The solubility of ga	ses in l	iguid	S		,	with	tem	pera	ture:							
					c) Remain constant											
<ul><li>4. Buffer solutions:</li><li>a) Are strong acid</li><li>b) Resist change in pH</li><li>c) Decrease the pH of</li><li>d) Increase the pH of</li></ul>	a solut															
5. Relative humidity is	s measu	ıred ı	ısing	the a	ıppa	ratus	S:									
a) Hygrometer	b) Hyo				c) R			eter		d	l) <i>A</i>	All o	f the	abov	ve	
6. Which of the follow a) Crystalline solids	oing is a				-			liqu	iid:	d	l) N	Vone	e of t	he ab	ove	
7. Numbers of moles of a) Morality	of solut b) Mo			d in 1	_		olver nality		expr				of t	he ab	ove	
8. Stalagmometer is us	sed to d	leterr	nine:													

d) pH

c) Surface tension

a) Viscosity

b) Solubility

tion is:							
b) Isotonic	c) Hypertonic	d) Is-osmotic					
ved when the conc b) >CMC	entration of surfactant is: c) =CMC	d) None of the above					
	PART B						
O (2) QUESTIO	NS	2X10=20					
s states of matter,	emphasize upon the solid	state.					
stand by Surface toon.	tension? Mention various	methods employed to					
ods for determini	ng particle size.						
	PART C						
VEN (7) QUESTI	IONS	7X5=35					
tes in solutions.							
15. Distinguish between Ideal & Real solutions.							
16. Comprehend HLB scale.							
17. How are complexes formed? What are the different types of complexes?							
18. Buffered isotonic solution.							
19. Define micrometrics and its parts.							
20. Elucidate the colligative properties of a solution.							
se concept, with the	he Sorenson pH scale.						
& its practical app	plications.						
	b) Isotonic  red when the conce b) >CMC  O (2) QUESTIO  s states of matter, stand by Surface to on.  ods for determinity  VEN (7) QUESTIO  tes in solutions.  In Ideal & Real solutions.  In Ideal & Real solutions.  s formed? What are oblution.  es and its parts.  ative properties of se concept, with the seconcept of the concept.	b) Isotonic c) Hypertonic  red when the concentration of surfactant is: b) > CMC c) = CMC  PART B  O (2) QUESTIONS  s states of matter, emphasize upon the solid stand by Surface tension? Mention various ron.  ods for determining particle size.  PART C  VEN (7) QUESTIONS  tes in solutions.  In Ideal & Real solutions.  scale.  s formed? What are the different types of coolution.  es and its parts.					