DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary End Semester Examination – Summer 2022

Course: B. Pharmacy	Sem: I	
Subject Name: Pharn	Subject Code: BP102T	
Max Marks: 75	Date:29/08/2022	
	N. O. A.	
Instructions –		
1. All questions	are compulsory	
 Answers to N Draw diagram 	ACQs should be written in full sentences	
4. Figures to rig	ns / figures wherever necessary	
" Tigures to fig	ht indicate full marks	
		\$\\\ \alpha \alp
Q. 1. Multiple Choice	e Questions (MCQs) = 20 x 1 = 20 (All the que	estions are compulsory)
	the equipment is responsible for them	KE SON SERVICE STATE
A. Method error	B. Instrumental error	
C. Personal error	D. Random error	000 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ii) Acid is a substance	which dissociates in water to produce hydr	rogen ions (9)
A. Arrhenius theory	B. Lewis theory	
C. Bronsted theory	D. Lowry theory	
iii) Oxidation-Reduct	ion titration is also known as	
1 4 1 4	tration B. Gravimetric titration	37
C. Redox titration	STATE OF THE STATE	
iv) Potentiometry is	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
A. Qualitative	B. Chromatographic	
C. Classical	D. Electro-chemical	
v) Conductometry us	ed for the measurement of	
A. Conductivity	B. Potential S. S. S. S. S. S.	
C. Temperature	D. Concentration	
grand as is a series	f lodine is carried out using	
A. Sodium thiosulpha	te B. Oxalic acid	
C. Perchloric acid	D. None of these	
vii) The titration carr	ies out between KCl and AgNO3 is termed as	stitration.
A. Oxidation-Reduction	and the second second	
C. Acid-Base	D. None of these	
viii) 8.5 ml HCl in 1 lit	tre =	
A. 0.1 M	B. 0.1 N	
C. Both A and B	D. 0.5 M	

	ase titration, the pH of mixture at initial stage is find out by formula
A. PH=-log[H+]	B. [H+]=NaVa-NbVb/(Va + Vb)
C. $POH = -log[OH-I]$	D. [OH-] = NbVb - NaVa/ (Va+ Vb)
x) An example of a primary	
A. FeSO4	B. Na2C03
C. NH40H	D. NaOH
xi) Which is the conjugate b	ase of H2PO4-?
A. OH-	B. PO4 3-
C. HPO42-	D. H3PO4
xii) Which one is aprotic sol	vent?
A. Chloroform	B. Benzene
C. Both	D. None
xiii) Which one is useful in n	on-aqueous titration?
A. Leveling solvent	B. Differentiating solvent
C. Both	■ D. None (人の)をうといるをからなる。
(iv) AgCI has to be filtered o	off before titration using 500 200 200 200 200 200 200 200 200 200
A. Modified Volhard's metho	od B. Mohr's method
C. Fajan's method	D. None of the above
(v) EDTA hasbinding s	ites and therefore it is also called as multidentate ligand.
A. Six	が
C. Four	D. Seven
(vi) Indicator used in compl	
A. Erichrome black T	B- Xylenolorange
C. Mordant black II	D. All Sold Control of the Control o
vii) Digestion of precipitate	
۸. Ageing کی	B. Gravimetric factor
C. Co – precipitation	D. Ostwald ripening
viii) Potentiometry is an	
A. Spectroscopic	B. Electrometric
Analytical	D. None of the abobe
ix) Each electrochemical ce	
. Two half cells	B. Half cells
Both A and B	D. None of the above
x) Oxidation involves	A Company of the above
. loss of hydrogen	B. loss of oxygen
. gain in hydrogen	
	D. gain in electrons

Q. 2. Long Answers) = $2 \times 10 = 20$ (Answer 2 out of 3)

- i) Write in detail different Sources of errors, types of errors, suggest the ways of minimizing them.
- ii) Explain in detail Volhard's method and Fajans method.

iii) Write in detail about Polarography.

Q. 3. Short Answers = 7 x 5 = 35 (Answer 7 out of 9)

- i) Explain the solvents used in non-aqueous titrations.
- ii) Explain the leveling and differentiating effect.
- iii) How will you prepare and standardize 1M Sodium hydroxide?
- iv) Enlist steps involved in gravimetry. Explain in detail post precipitation.
- v) Explain construction and working of dropping mercury electrode
- vi) Write down Different types of redox titrations, Explain in detail Cerimetry
- vii) State Principles, methods and application of diazotisation titration.
- viii) Define pharmaceutical analysis. Explain the importance of pharmaceutical analysis.
- ix) What is masking and demasking agent.

END OF THE PAPER-

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Supplementary Examination – Summer 2022

Course:B. Pharmacy

Sem:I

Subject Name: Communication Skills

Subject Code: BP105T

Max Marks:35

Date: 12/09/2022

Dutation: 2 Hr.

Q. 2. Long Answers = $1 \times 10=10$ (Answer 1 out of 2)

- 1. Discuss role of communication.
- 2. Describe communication style matrix.

Q. 2. Short Answers = $5 \times 5 = 25$ (Answer 5 out of 7)

- 1. Differentiate Physiological and Psychological barriers.
- 2. Discuss advantages of face to face communication
- 3. Discuss the types of listening where emotions are considered.
- 4. Define interview and classify the different interview techniques.
- 5. Demonstrate the structure of presentation.
- 6. Discuss the types of group discussion
- 7. Evaluate Do's and Don'ts of groups discussion.

-----End of the paper-----