1006E558

Candidate's Seat No	•
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M.Sc Sem.-2 Examination P - 410 Pharma. Science

Time: 2-00 Hours]

June 2022

[Max. Marks: 50

Q.1	Answer the Following Questions (Any Six) 42 Marks
1	
1	GIVE INFORMATION ABOUT MICROSCOPE AND TYPES OF MICROSCOPES IN DETAIL.
2	GIVE TYPE AND INFORMATION AND
_	GIVE TYPE AND INFORMATION ABOUT ELECTRON MICROSCOPE.
3	GIVE APPLICATION OF IR SPECTROSCOPY IN ANALYSIS.
4	DEFINE WOODWARD-FIESER RULES AND APPLICATIONS OF UV SPECTROSCOPY.
_	EVENT ON SOF UV SPECTROSCOPY.
5	EXPLAIN BASIC PRINCIPLE OF CHROMATOGRAPHY. DISCUSS IN BRIEF THE CLASSIFICATION OF CHROMATOGRAPHY TECHNIQUE
	OF CHROMATOGRAPHY TECHNIQUE.
6	EXPLAIN IN DETAIL REFLOYENCY OF STREET
7	EXPLAIN IN DETAIL EFFICIENCY OF SEPARATION IN CHROMATOGRAPHY WRITE DOWN THE PASIC PRINCIPLE CONTROLLED IN CHROMATOGRAPHY
•	WRITE DOWN THE BASIC PRINCIPLE OF ION EXCHANGE CHROMATOGRAPHY IN BRIEF WORKING MECHANISM OF IEC
8	WRITE DOWN THE DASIC PRINCIPLE STATES
•	WRITE DOWN THE BASIC PRINCIPLE OF MASS SPECTROMETRY AND DISCUSS ITS
	INSTRUMENTATION WITH NEAT DIAGRAM.
9	DISCUSS THE BASIC PRINCIPLE AND WORKING MECHANISM OF HPLC
10	DISCUSS ANY TWO MASS ANALYZERS IN DETAIL
Q.2	Answer the Following Short Questions (Any Eight) 8 Marks
	8 Marks
1	DEFINE DEAD TIME IN CHROMATOGRAPHY.
2	DEFINE RESOLUTION AND RETERVISION
	DELITE RESOLUTION AND RETENTION TIME IN CUROMATOORA PARIS
	DEFINE RESOLUTION AND RETENTION TIME IN CHROMATOGRAPHY?
3	
	WRITE DOWN THE APPLICATION OF SILICA GEL G254 STATIONARY PHASE USED IN TLC.
4	
4	WRITE DOWN THE APPLICATION OF SILICA GEL G254 STATIONARY PHASE USED IN TLC. WHICH FACTORS DO AFFECT ION EXCHANGE SEPARATION?
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4	WRITE DOWN THE APPLICATION OF SILICA GEL G254 STATIONARY PHASE USED IN TLC. WHICH FACTORS DO AFFECT ION EXCHANGE SEPARATION? WRITE DOWN RESOLUTION EFFICIENCY OF CAPILLARY COLUMNS IN INCREASING ORDER
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5	WRITE DOWN THE APPLICATION OF SILICA GEL G254 STATIONARY PHASE USED IN TLC. WHICH FACTORS DO AFFECT ION EXCHANGE SEPARATION? WRITE DOWN RESOLUTION EFFICIENCY OF CAPILLARY COLUMNS IN INCREASING ORDER. WHAT IS THE EFFECT OF STATIONARY PHASE THICKNESS ON RESOLUTION IN GAS CHROMATOGRAPHY?
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