

**PUNE DISTRICT EDUCATION ASSOCIATION's
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY,
SASWAD, DIST-PUNE**

Criterion No: - II

2.5.1. Mechanism of internal assessment is transparent and robust in terms of frequency and mode

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETHI GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY, SASWAD

V/ II Sessional Examination 20~~23~~ 20 24.

Class: Final yr. B. pharm.

Name of Subject: Instrumental Method of Analysis.

Name of Examiner: Mr. G. B. Nigade.

No. of Papers to be examined:

78

Date of paper issued to the examiner: 07/11/2023.

Last date of paper submission to exam section: 22/11/2023.



In Charge
Examination Section

Seen Badi
22/11/2023



Pune District Education Association's
SETH GOVIND RAGHUNATH SABLE
COLLEGE OF PHARMACY
SASWAD



11 II Sessional Examination 2023 - 2024

[16 Pages]

Class : Final year B pharm Exam. No. : 01

Subject : Instrumental methods of Analysis Date : 07/11/2023

Main Answer Book	No. of Supplement	Total	Sign. of Jr. Supervisor with Name & Date
1			<u>07/11/23</u> <u>Mrs. V. S. Hire</u>

Question No.	1	2	3	4	5	6	7	Total Marks		Sign. of Examiner
								Figures	Words	
Marks	5	5	6	—	—	—	—	<u>16</u> <u>30</u>	<u>Sixteen</u>	<u>H</u>

Note - 1) Write from here. 2) Write on both sides of paper.

Q. 3.

Gas chromatography -

— It is the one of the technique of chromatography which involves the separation of the mixture into its individual components.

— But here in gas chromatography gas is used as mobile phase and the stationary phase can be solid or liquid.

— The gases used in gas chromatography are inert gas like halogen, nitrogen, argon and Hydrogen etc.

— There are basically two types of gas chromatography

- ① Gas liquid chromatography (GLC)
- ② Gas solid chromatography (GSC)

Exam No. 20

Supervisor's Sign.



Pune District Education Association's
SETH GOVIND RAGHUNATH SABLE
COLLEGE OF PHARMACY
SASWAD

I / II / III Sessional Examination 2023 - 2024
 (Theory / Practical)

Supplement No.

Class : B Pharm - I / II Final yr

Subject : Instrumental method of Analysis Date : 21/12/2023

Q.1	Q.2	Q.3	Q.4	Q.5	Total		Signature of Examiner
					Figures	Words	
4	10	7	1	22	22 40	Twenty Two	

synopsis

1. Note on-capacity factor
2. Discribe plate theory
3. Define - Retension factor
4. explain simulatanous estimation method.
5. Given as account of visilizing agent of Chromatographys

seen

Rupadhe
25/08/2023

Pune District Education Association's
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COLLEGE OF PHARMACY, SASWAD

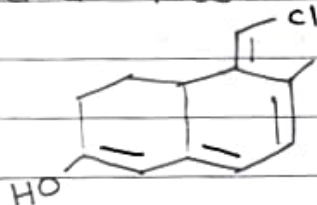
I / II / III Cont. Assessment Examination

Academic Year 2022 - 2023

Assessment Type : Cont. Assessment - IClass : Final Year B. Pharm Exam. No. : 11Subject : Instrumental Method of Analysis Date : 23/08/2023

Question No.	1	2	3	4	5	6	Total Marks		Sign. of Examiner
							In Figures	In Words	
Marks	3						3/5	Three	H

Q1. Calculate the absorption Maxima by Woodward - Fieser law.



→ It is a homoanular conjugated diene system. This is one double bond extended value.

Compound containing the homoanular ring
 so Base value - 253 nm.

It has 2 exocyclic bonds for one exocyclic bond 5 nm.

$$= 5 \times 2$$

$$= 10 \text{ nm}$$



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COLLEGE OF PHARMACY, SASWAD

4 / II / III Cont. Assessment Examination

Academic Year 2023 - 2024



Assessment Type : Cont. Assessment - II

Class : Final Year B Pharm Exam. No. : 11

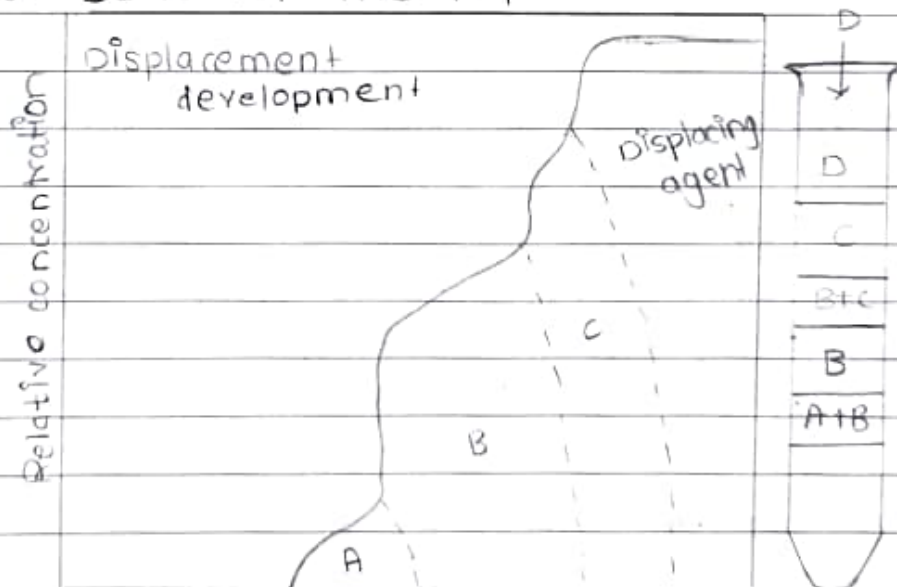
Subject : Instrumental Method of Analysis Date : 06/10/2023

Question No.	1	2	3	4	5	6	Total Marks		Sign. of Examiner
							In Figures	In Words	
Marks	3						3/4	Three	

Q1 Write a Note on Displacement Analysis.

→ Displacement Analysis -

In displacement analysis, the sample mixture, dissolved in small volume of solvent is introduced onto the column as a narrow band at the top.



**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY, SASWAD
FINAL YEAR B Pharmacy (SEM. VII)**

Name of Students	Roll No.	Exam No.	Instrumental Methods of Analysis										Keyed Drug Delivery Systems					Industrial Pharmacy - II					Pharmacy Practice					Practice School	Sign. of Students
			Theory					Practical					Theory					Theory					Theory						
			Ses. I	Ses. II	Av.	C.A.	Total	Ses. I	Ses. II	Av.	C.A.	Total	Ses. I	Ses. II	Av.	C.A.	Total	Ses. I	Ses. II	Av.	C.A.	Total	Ses. I	Ses. II	Av.	C.A.	Total		
Badhe Pranav R.	01	11483	9	8	8.5	9.5	18	6.5	7.5	5.6	4	10	7	11	9	10	10	10	10	10	10	10	10	10	10	10	22	Badhe	
Bande Aakash B.	02	11472	10	7	8.5	9	18	7.2	6	6.6	4	11	12.5	12.5	10	23	10	10	10	10	10	10	10	10	10	10	21	Bande	
Bunker Sanjay A.	03	11485	11	10	10.5	9	20	7.2	6.7	7	4	11	9	12.5	10	10	10	10	10	10	10	10	10	10	10	10	21	Bunker	
Bhale Supriya H.	04	11491	12	10	11	9	20	7.1	6.5	7.1	4	11	11	11.5	10.7	10	21	10	10	10	10	10	10	10	10	10	20	Bhale	
Bhaddani Rohan S.	05	11493	8	8	8	8	16	7.2	6	6.6	4	11	9	10	9.5	10	10	10	10	10	10	10	10	10	10	10	20	Bhaddani	
Bhoite Adarsh T.	06	11497	10.5	9	9.75	9	19	6	6	6	4	10	8.5	10.5	9.5	9.5	20	10	10	10	10	10	10	10	10	10	21	Bhoite	
Bhoite Rutika R.	07	11499	11.5	9.5	10.5	9.5	20	7	6.5	6.7	4	11	13	12.5	12.7	10	23	10	10	10	10	10	10	10	10	10	21	Bhoite	
Bhosale Shweta S.	08	11503	11	8.5	9.75	9	19	6.7	7.2	7	4	11	11.5	10.5	11	10	21	10	10	10	10	10	10	10	10	10	20	Bhosale	
Bhuyal Nandini S.	09	11504	10	10.5	10.25	8.5	19	6.7	5.7	6.2	4	10	12.5	13	12.7	10	23	10	10	10	10	10	10	10	10	10	21	Bhuyal	
Borse Rutuja S.	10	11505	12.5	10.5	11.5	9.5	21	6.7	6.7	6.7	4	11	13	13	13	10	23	10	10	10	10	10	10	10	10	10	21	Borse	
Budhe Rupali P.	11	11507	12.5	9.5	11	9	20	7	7	7	4	11	13	12.5	12.7	10	23	10	10	10	10	10	10	10	10	10	21	Budhe	
Dande Om. S.	12	11515	8	6.5	7.25	9	16	6	6.2	6.1	4	10	8	11	9.5	8.5	20	10	10	10	10	10	10	10	10	10	21	Dande	
Dighe Yash D.	13	11523	7	6.5	6.75	9	16	6.5	5.5	6	4	10	4.5	10.75	10	18	10	10	10	10	10	10	10	10	10	10	21	Dighe	
Gaikwad Omkar D.	14	11531	Ab	4.5	2.25	8.5	11	5.2	Ab	2.6	4	07	4.5	0.5	2.5	9	13	10	10	10	10	10	10	10	10	10	21	Gaikwad	
Gaikwad Rutika S.	15	11532	4	9	6.5	9	16	5.75	6	5.8	4	10	5	9.5	7.2	9.5	17	10	10	10	10	10	10	10	10	10	21	Gaikwad	
Gaikwad Sudarshan M.	16	11534	8.5	8	8.25	9	17	6.7	5.5	6.1	4	10	10.5	12	11.2	10	21	10	10	10	10	10	10	10	10	10	22	Gaikwad	
Ghatole Pooja S.	17	11695	7	9.5	8.25	8.5	17	5.7	6	5.8	4	10	10	12	11	10	20	10	10	10	10	10	10	10	10	10	21	Ghatole	
Gorule Shrawan N.	18	11543	8.5	8	8.25	9	17	5.7	6	5.8	4	10	4.5	11	7.7	8	17	10	10	10	10	10	10	10	10	10	22	Gorule	
Inamke Pratik S.	19	11546	10	10	10	9	19	5.5	5.7	5.6	4	10	8.5	12.5	10.5	9.5	20	10	10	10	10	10	10	10	10	10	21	Inamke	
Jadhav Shrutis S.	20	11561	10.5	7.5	9	9.5	19	6.5	5.5	6	4	10	8.5	12	10.2	10	20	10	10	10	10	10	10	10	10	10	21	Jadhav	
Jadhav Gaurav S.	21	11566	10.5	10	10.25	9.5	20	6	6.7	6.3	4	10	10.5	13	10.7	10	20	10	10	10	10	10	10	10	10	10	22	Jadhav	
Jadhav Pradip N.	22	11570	11.5	11	11.25	9.5	21	7.5	7.7	7.6	4	12	13.5	13.5	13.5	10	24	10	10	10	10	10	10	10	10	10	22	Jadhav	
Jadhav Pratik D.	23	11571	8.5	8	8.25	8.5	18	5.5	5.5	5.5	4	10	5	11.5	8.2	10	17	10	10	10	10	10	10	10	10	10	21	Jadhav	
Jadhav Shweta S.	24	11576	10	9	9.5	9	19	6.2	6	6.1	4	10	8.5	12	10.2	10	20	10	10	10	10	10	10	10	10	10	21	Jadhav	
Jadhav Swapnil P.	25	11578	10	10.5	10.25	9	19	7	6	6.5	2	10	9	11	10	10	18	10	10	10	10	10	10	10	10	10	21	Jadhav	
Jogdand Aditi R.	26	11476	6.5	9.5	8	9.5	18	6	5.5	5.7	4	10	10.5	13	11.7	10	19	10	10	10	10	10	10	10	10	10	21	Jogdand	
Kad Gaurav R.	27	11587	7	7	7	9	16	6	5.5	5.7	4	10	9.5	9.5	9.5	10	20	10	10	10	10	10	10	10	10	10	20	Kad	
Kadam Samarth D.	28	11589	8	9	8.5	9	18	7	6.5	6.7	4	11	10	13	11.5	10	22	10	10	10	10	10	10	10	10	10	21	Kadam	
Kaland Chetan S.	29	11591	8.5	7	8.25	9	17	7	7	7	4	11	8.5	11.5	10.5	10	22	10	10	10	10	10	10	10	10	10	21	Kaland	
Kamble Namrata V.	30	11599	9.5	10.5	10	9.5	20	7.2	6.7	7	4	11	11.5	13.5	12.5	10	22	10	10	10	10	10	10	10	10	10	22	Kamble	
Kamble Yash P.	31	11602	8	6.5	7.25	9	16	5.5	7	6.2	4	10	9	11.5	10.2	9	20	10	10	10	10	10	10	10	10	10	21	Kamble	
Kapre Vaibhav R.	32	11604	9	9	9	8	17	6	7	6.5	4	11	9.5	13	11.2	10	21	10	10	10	10	10	10	10	10	10	20	Kapre	
Kavay Deepinder S.	33		7	Ab	3.5	9	13	Ab	Ab	Ab	4	11	7	8.5	7.10	16		10	10	10	10	10	10	10	10	10	22	Kavay	
Khad E. Ashwini C.	34	11606	11	11.5	11.25	9.5	21	7	6.7	6.8	4	11	8	13	10.5	10	22	10	10	10	10	10	10	10	10	10	22	Khad	
Signature of Teacher																													

Signature of Teacher

Ses.=Sessional Exam.,

A.V.=Continuous Assessment

Signature of Exam-Incharge

Internal Exam Incharge

Pune District Education Assoc. at: 18

Seth Govind Raghunath Sable

Of Pharmacy, Saswad, Dist. F. 18

Signature of Principal

PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S

SETH GOVIND RAGHUNATH SABLE

COLLEGE OF PHARMACY, SASWAD

TAL. PURANDHAR, DIST. PUNE. - 412201