



**Dr. Rafiq Zakaria Campus**

Maulana Azad Educational Trust's

**Y. B. CHAVAN COLLEGE OF PHARMACY**

(B. Pharm, M. Pharm & Research Centre)

ISO 9001-2008 CERTIFIED | NIRF – 2021 ALL INDIA RANK 53<sup>rd</sup>

NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE

**2.5.2 Sample question paper, answer paper, mark sheet display to students**



# Dr. Rafiq Zakaria Campus

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## Y.B. Chavan College of Pharmacy

An ISO 9001:2008 Certified Institute

(B. Pharm., M. Pharm & Research Center)



### Improvement Sessional Examination (2021-22)

Class: B. Pharm.-2nd yr (IVth sem)

Subject: Pharm Organic Chemistry-III

Max Marks: 30

Date: 27.06.2022

Time: 90min

#### : INSTRUCTIONS:

1. Overwriting and rewriting of MCQ answer will be considered as wrong answer
2. Figures to right indicate full marks
3. Attempt the questions as per the instructions.
4. Write down your roll number on the question paper

#### Q. 1. Solve the following MCQ 10 Marks

a) Total number of possible isomers of trichloro benzene is?

[A] 2

[B] 3

[C] 4

[D] 6

b) In Glyceraldehyde the complete sequence of priority is..

[A] -OH > -CH<sub>2</sub>OH > -CHO > H

[B] -OH > -CHO > -H > CH<sub>2</sub>OH

[C] -CHO > -OH > -CH<sub>2</sub>OH > H

[D] -OH > -CHO > -CH<sub>2</sub>OH > H

c) Which of the following does NOT exhibit geometric isomerism?

[A] 2-pentene

[B] 3-hexene

[C] 2-hexene

[D] 1-hexene

d) ..... number of cyclic isomers ( Structural and geometrical only ) exist for C<sub>6</sub>H<sub>12</sub>?

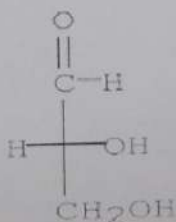
[A] 8

[B] 6

[C] 3

[D] 5

e) Configuration of the following compound is...



[A] R

[B] Z

[C] S

[D] E

f) Which of the following correctly orders the relative steric energies content of Cyclohexane conformations?

[A] (Boat) < (twist-boat) < (chair)

[B] (Twist-boat) < (boat) < (chair)

[C] (Chair) < (boat) < (twist-boat)

[D] (Chair) < (twist-boat) < (boat)

g) Which of the following can make difference in optical isomers?

[A] Hat [B] Temperature

[C] Polarized light [D] Pressure

h) Which one of the following pairs represents the stereoisomerism?

[A] Geometrical Isomerism, Position Isomerism

[B] Optical Isomerism, Metamerism

[C] Optical Isomerism, Conformational Isomerism

[D] Geometrical Isomerism, Tautomerism

i) The maximum number of stereoisomers possible for 2-Hydroxy-2,3-dimethyl butanoic acid is...?

[A] 4 [B] 2

[C] 3 [D] optically inactive

j) Name the compound that is not isomer with diethyl ether:

[A] n-Propylmethyl ether [B] Butane-1-ol

[C] 2-methylpropane-2-ol [D] Butanone

### Q.2. Solve the following (ANY TWO) 10 Marks

a) Draw All possible Stereoisomers of Lactic acid and glyceraldehydes.

c) Short note on resolution.

d) Short note on Isomerism.

### Q.3. Solve the following (ANY ONE) 10 Marks

1) Conformational Isomerism in Cyclohexane and n-Butane.

2) What is Optical Isomerism? Discuss the CIP rule for assign the R and S nomenclature with suitable example?



**DR. RAFIQ ZAKARIA CAMPUS**  
 Maulana Azad Educational Trust's  
**Y. B. Chavan College of Pharmacy, Aurangabad**

NAAC Accredited "A" Grade with CGPA Score 3.23  
 An ISO 9001-2008 Certified Institute / NIRF - 2020 All India Rank 40  
 First/ Second / Third/ Improvement Sessional Examination 20 21 -20 22

Class : First/ Second/ Third/ Final B.Pharm / M.Pharm

Roll No.: 078

Roll No. in words : Seventy eight

Subject : PIC

Invigilators Signature

Date : 08 / 03 / 20 22 Day : Wednesday

Q. No.	1	2	3	4	5	6	7	8	Total	Signature of Teacher
Marks Obtained	0	9	6						19	

Note : 1) Extra Supplements will not be provided with this Answer Book.  
 2) Write on both side of the page.

**START WRITING FROM HERE**

Q1. solve the following.

1. Both A and C

2. Antidotes

3. Ferrous Gluconate

4. cytochrome synthetase

5. a cyanide poisoning

6. Epsom salt

7. none of the above

8. Both A and C

9. Antiseptic

10. Zinc sulphate

11. Halo genation

12. Expectorant



B. Pharm IV Yr 2021-22

Aateka, Abbas Shaikh, Abu, Afree...



September 1, 2021

Une Sir



6 sem Biopharmaceut...



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Une Sir



6 sem Herbal Drug Te...



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Une Sir

-----REPORT SUMMARY-----  
Paper Wise Mark List (Against Seat Number)

This report contains Paper Wise Mark List (Against Seat Number) of 144 Students

Course	B.Pharmacy (with Credits) - Regular (2021-22) 1st Year - 6th Semester
Exam Date	1st May 2021
Teaching Learning Method Assessment Method Type	Medicinal Chemistry (B.Pharm) - Internal Assessment - Lectures - College Assessment Method Applicable

ADCC Name : Y.B. Chavan College of Pharmacy, Aurangabad (502)  
Date : 04-09-2021

-----END OF SUMMARY - DETAILED REPORT BEGINS-----



6 sem Medicinal Che...



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Une Sir



6 sem Medicinal Che...



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Une Sir



6 sem Pharmaceutica...



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Message





M. Pharm II Yr 2021-22

Aateka, Abu, Ayaz, Baheti, Dehgh...



August 30, 2021

Une Sir



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11:56 AM

These are the report of marks submitted to the University. All the students all informed to go through it and verify their marks. Please Note that No corrections will be considered thereafter.

11:59 AM

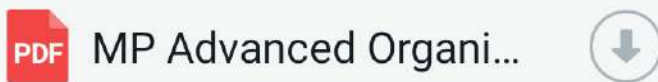
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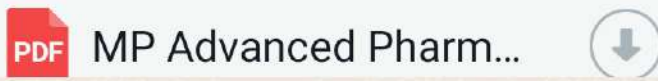
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Message



# Y.B. CHAVAN COLLEGE OF PHARMACY



AURANGABAD


## Certificate

This is to certify that the experimental work written in the journal has been performed in this laboratory satisfactorily by

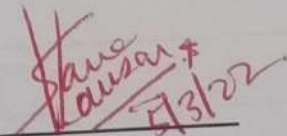
Miss. / Mr. Cravri Shreekar

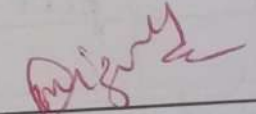
of B. Pharm. II<sup>nd</sup> year Bearing Seat No. GTBP300417

during the academic year 2021 - 2022

  
I/c. Principal  
Y.B. Chavan College of Pharmacy,  
Aurangabad

Principal Signature

  
Mentor

  
Lecturer Incharge

External Examiner

  
Internal Examiner

Date / / 200

## INDEX

Ex.No.	Date	Name of Experiment	Pg No.	Signature	Remark
1.	28/9/21	Introduction to pharmaceutical engineering etc.	1-3		
2.	28/9/21	Description of construction, working and application of pharmaceutical machinery such as rotary tablet machine, fluidized bed coater, etc.	4-12		
3.	28/9/21	Demonstration of colloidal mill, planetary mixer, fluidized bed dryer, freeze dryer such other major equipments.	13-28		
4.	28/9/21	To separate given powder sample of granules into fractions acc. to sizes and to determine the avg particle size of each fraction by sieving and to construct, freq size distribution plot.	29-32		
5.	5/10/21	To determine the radiation const. of the given glass cylinder.	33-36		
6.	5/10/21	To determine radiat <sup>n</sup> const. of given aluminium cylinder.	37-40		

## CONTINUOUS ASSESSMENT RECORD

Journal Completion (2 Marks)	Result/Performance (2 Marks)	Attitude / Attendance (4 Marks)	Viva (2 Marks)	Total (10 Marks)	Signature
2	2	2	2	08	[Signature]
2	2	2	2	08	[Signature]
2	2	2	2	08	[Signature]
2	2	3	2	09	[Signature]
2	2	3	2	09	[Signature]
2	2	3	2	09	[Signature]



### INDEX

Ex.No.	Date	Name of Experiment	Pg No.	Signature	Remark
7.	5/10/21	To determine "ash" const of given iron cylinder	41-45		
8.	5/10/21	To find out efficiency of steam distillat <sup>n</sup> process for distillat <sup>n</sup> of high boiling solvents like nitrobenzene	46-48		
9.	23/12/21	To study % loss on drying (LOD) and % moisture content (MC) of given sample.	49		
10.	1/12/21	To construct drying curves for calcium carbonate (CaCO <sub>3</sub> )	50-52		
11.	22/12/21	To study % LOD of given sample	53-54		
12.)	23/12/21	To study % LOD of starch	55-56		
13	7/12/21	Drying rate curve for starch	57-59		
14	15/12/21	moisture content of starch	60		
15	15/12/21	moisture content of CaCO <sub>3</sub>	61		
16	29/12/21	Humidity by DBT - WBTT	62-63		
17	29/12/21	Humidity by dew point method	64-65		
18	5/1/22	determine mixing by DCB	66-69		

### CONTINUOUS ASSESSMENT RECORD

Journal Completion (2 Marks)	Result/Performance (2 Marks)	Attitude / Attendance (4 Marks)	Viva (2 Marks)	Total (10 Marks)	Signature
2	2	4	2	10	[Signature]
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2	2	2	2	08	[Signature]

Average Marks :- ~ 09  
 This is to certify that students have obtained average marks \_\_\_\_\_ in \_\_\_\_\_ (subject.)  
 Signature of Teacher \_\_\_\_\_