

Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, Dist-Ratnagiri, 416 702 (MH)

Affiliated to University of Mumbai, Mumbai Reaccredited with B+ grade by NAAC/ Best College Award by University of Mumbai, Mumbai

OPEN BOOK TEST

Mark Sheet

Class: T.Y.B.Sc

Date: 06/09/2023

Time: 11.00 am to 12.00 pm

Marks: 15

Sr. No	Roll No.	Name of the Student	Marks (Out of 15)
1		Afifa Siraj Naik	14
2		Safa Sameer Naik	13
3		Sail Sandip Kambli	12
4		Sanket Shantaram Masurkar	10
5		Kiran Sunil Kajave	10
6		Yatnik Vishal Bankar	12
7		Darshana Avinash Shivalkar	14

Subject Teacher

Department of chemistry
A.M.A. & N.C.S.College, Rajapur



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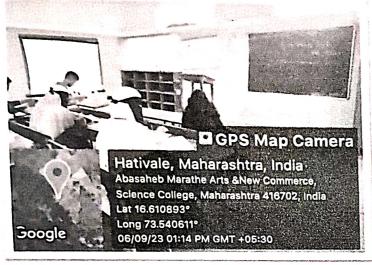
OPEN BOOK TEST PHOTOGRAPHS

Class: T.Y.B.Sc

Time: 11.00 am to 12.00 pm

Date: 06/09/2023

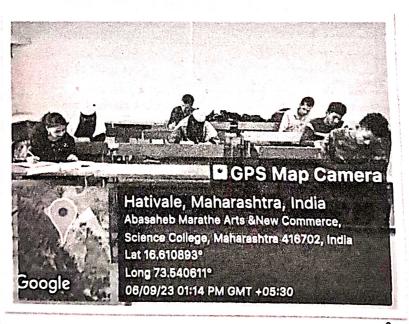
Marks: 15

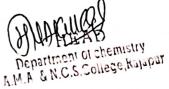


Student during open book test



Notice







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Affiliated to University of Mumbai, Mumbai Reaccredited with B^{*} grade by NAAC/ Best College Award by University of Mumbai, Mumbai

DEPARTMENT OF CHEMISTRY Students Assignments

Class: T.Y.B.Sc.

Subject: Organic chemistry

Sr.No.	Roll number	Name of Student	Ass 1	Ass 2	Ass 3	Ass 4
1	2023951	Yatnik Vishal Benkar	Y. U. Bentau	Y.V. garkar	Y.U.Benkar	Y.V.Benkou
2	2023952	Asmita Shankar Hiremath	Aliremath	Aliremath	Alirementh	Attirement
3	2023953	Kiran Sunil kajave	+ Sof	100	7	J. J.
4	2023954	Sail Sandip Kambli	Qubit.	Je utor	Ferber	- Gentil
5	2023955	Paresh Prakash Karambelkar	Passinge	tacel Hr	Paralyte	Torestor
6	2023956	Sanket Shantaram Masurkar	OF BROKE	GHEKON L	THE TOTAL	Capy toh C
7	2023957	Afifa Siraj Naik	April	Derik	Auile	Buil
8	2023958	Safa Sameer Naik	Saler	Sufer	Sales	Sales
9	2023959	Darshana Avinash Shivalkar	D. A. Shiyaur	D.A.Shivally	DA. Shivaler	D.A.Shivek
10	2023960	Lahu Balu Yedage	Whye	lahlye	lahlar	lahloge

Name & Sign of Subject teacher

Department of chemistry A.M.A. & N.C.S.College,Rajapur



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DEPARTMENT OF CHEMISTRY Students Assignments

Class: T.Y.B.Sc.

Subject: Inorganic Chemisby

Sr.No.	Roll number	Name of Student	Ass 1	Ass 2	Ass 3	Ass 4
1	2023951	Yatnik Vishal Benkar	1,1,Benkar	N.A. Beykar	Y. U. Bentrar	4.11. Benken
2	2023952	Asmita Shankar Hiremath	Hiromuth	Aliremadh	Alirementh	Hiromuth
3	2023953	Kiran Sunil kajave	tist.	ist.	j\$ -	Sif
4	2023954	Sail Sandip Kambli	July 17	Part .	Labi.	Dabij
5	2023955	Paresh Prakash Karambelkar	Paulin	Jasolite	Toronis	Tough
6	2023956	Sanket Shantaram Masurkar	किंग्रिकर	क्रिक्र	\$ 3/ch/	BARKONK
7	2023957	Afifa Siraj Naik	Deil	Sail	Aul	Aud
8	2023958	Safa Sameer Naik	Safes	Sale	Safer.	Dafer
9	2023959	Darshana Avinash Shivalkar	O.A.Shivabu	DA. A. Walt	D.A. Shivalbar	D. A.Shivallor
10	2023960	Lahu Balu Yedage	lalylan	Chily	lombe	lange

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(Dr. R.R. Mahan war)
Name & Sign of Subject teacher

Department of chemistry A.M.A. & N.C.S.College, Rajapur



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DEPARTMENT OF CHEMISTRY Students Assignments

Class: T.Y.B.Sc.

Subject: Physical chemistry

Sr.No.	Roll number	Name of Student	Ass 1	Ass 2	Ass 3	Ass 4
1	2023951	Yatnik Vishal Benkar	1.11. Berpa	1.11.Bento	1. V. Benka	1'11'Beye
2	2023952	Asmita Shankar Hiremath	Aliremedh	Allrementh	Aliremedh	Miremouth
3	2023953	Kiran Sunil kajave	19	19	154	
4	2023954	Sail Sandip Kambli	OF SOF	Putor	8m	E LA
5	2023955	Paresh Prakash Karambelkar.	FELLUGE	Pecteshik	Tures 1975	Tallotte
6	2023956	Sanket Shantaram Masurkar	किनुस्कर	Carranz	The Park	किंद्रस्कर
7	2023957	Afifa Siraj Naik	Apocité	Aull	Bruik	Mark
8	2023958	Safa Sameer Naik.	Salas	Safei	Sales	Safer
9	2023959	Darshana Avinash Shivalkar.	D. A.Stralkon	Q.A. Shivala	O.A.Shvalr	O.A.Shiralm
10	2023960	Lahu Balu Yedage.	longe	lehler	lahibas	laNoto

Mr. kamble & G. Name & Sign of Subject teacher

Department of chemistry A.M.A. & N.C.S.College, Rajapur



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DEPARTMENT OF CHEMISTRY

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Sem. I

(2023-24)
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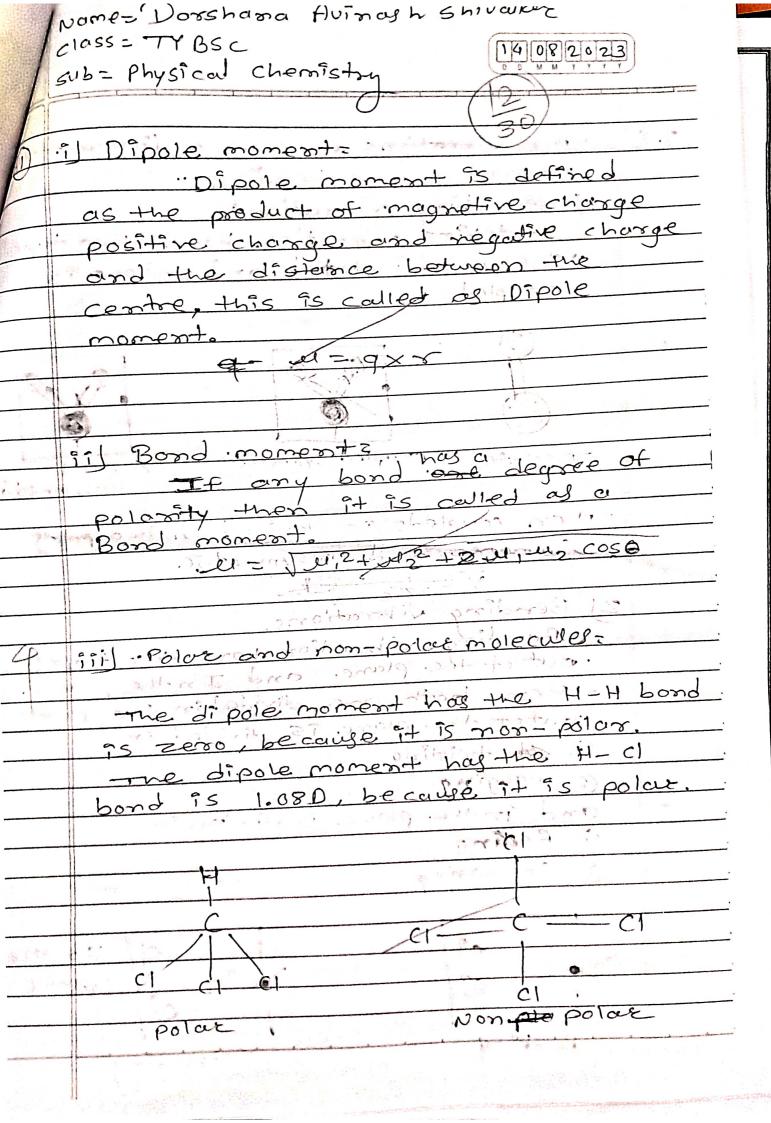
Sr.No	Exam Scat No.	Name of the student	Signature
1.	1013994	Yatnik Vishal Benkar.	
2.	1013895	Asmita Shankar Hiremath.	Hiremath
3.	1013896	Kiran Sunil kajave.	-137
4.	1013897	Sail Sandip Kambli.	a cubir
5.	1013898	Paresh Prakash Karambelkar.	Faceshire
6.	1013899	Sanket Shantaram Masurkar.	GAB3401<
7.	1013900	Afifa Siraj Naik	mosk
8.	1013901	Safa Sameer Naik.	esta-
9.	1013902	Darshana Avinash Shivalkar.	D.A. Shivalbu
10.	1013903	Lahu Balu Yedage.	lahoo

Department of chemistry
A.M.h. & N.C.S.College, Repair

12 Pages

Abasaheb Marathe Arts & New Commerce Science College, Rajapur

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Thorganic chemistry nome manner transmit

		Topic :- Concepts of Qualitative Analysis
		Fill in the blanks
1		MARCHAEL SANCTER OF THE COLOR STREET WITH THE THE THE THE THE
	1	Identification and finding out the constituents
	**	at a substance is called qualitative analysis.
		we consider the property of the contract of the
-	2.	Ions with negative charges are alled Anions
	3.	Tons with positive charges are alled alians
	4	are termed as <u>natural</u> gases.
		are termed as Natural gases.
in the second		
	.5	corbon Dioxide, sulphur axides, Minic Acid
		corbon Dioxide, sulphur oxides, nitric Acid. Hydrogen chloride ore Acidic gases.
		It a glowing splinter relights again, then the
1		gas is <u>02</u> .
-		7. If the evolving gas extinguishes a splinter
垫		and the gas burns with a pop sound then
#		1t is hydrogen gos
1		
		8 The confirmatory test for chlorine is chromy!
*		chioride Test.
10		9. The colour of bromine gas is reddish brown
1		
		10. The colour of rodine gas is violet
		Principal Control of the Control of
		Il the formula for potassium Dichromale is



Rayat Shikshan Sanstha's
Abasaheb Marathe Arts and New Commerce, Science College, Rajapur

Department of Physics

Academic Year 2023-24

CONTINUOUS INTERNAL EVALUATION

(Activity- Home Assignment Submission)

Contents-

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- Notices for students
- v Time Table / Schedule
- v Question Paper
- Presenty/ Submission Record
- Evaluation Record/ Marks Sheet
 1st three rankers



AY 2023-24 (Term Second)

CONTINUOUS INTERNAL EVALUATION

(Home Assignment & the Submission)

NOTICE

Class: F.Y. B.Sc. PHYSICS Semester- II

Date:-10/02/2024

All the F.Y. B.Sc. (Sem-II) Physics students are hereby informed that, they have to write and submit their "Home Assignment" within the prescribed scheduled time. In order to write your Home Assignments, you have to choose any one topic/ short note from the syllabus of Physics Paper I or Paper II or any two questions from the set of question paper provided herewith. You have to submit the same in time. The maximum marks allotted for this Home Assignment is 20.

It is mandatory for each student to participate in this Continuous Internal Evaluation Process.

> Department of Physics A.M.A. & N.C.S.College, Rajapur

NOTICE TO

Sr. No.	Roll No.	Name of Candidate	Sign
1	2023271	Gundye Ansh Rajan	Sign
2	2023272	Gurav Sanvi Sanjay	SANUT
3	2023273	Lanjekar Yash Naresh	Y. M. LA NIJEKAK
4	2023274	Shinde Mandar Sakharam	#Ahirde
5	2023275	Zhapdekar Salina Samir	Mapdehala
6	2023276	Narvekar Siddharth Deepak	Anonekan
7	2023277	Agare Yash Ekanath	Agare
8	2023279	Mapari Saad M.Hanif	1
	2023280	Amare Satish Vijay	



AY 2023-24

CONTINUOUS INTERNAL EVALUATION

(Home Assignment)

Class- B.Sc. First Year (Semester II)

(SUBJECT: Physics)

(Max. Marks - 20)

Name of the Teacher: - Prof. KAMBLE S.M.

(Select any two Questions)

- 1) Write a note on Scalar & Vector products of two vectors. Triple vector products
- Explain- Del Operator, Gradient of a scalar function, The divergence of vector function & its physical significance.
- 3) Write down about Ordinary Differential Equations in detail.
- 4) Write down about the characteristics of wave motion, State types of wave, Give mathematical description of a wave.
- Describe the concept- Composition of Simple Harmonic Motion- Equation of linear SHM and its application or Linearity and superposion
- Coulomb's Law- Statement, Explanation, Coulomb's Law in vector form, Limitations of Coulomb's Law
- 7) Explain- Principle of Superposition Electric field due to a single point charge,
- 8) Introduce the bridge circuits, Write a note on- Whetstone's Bridge, Maxwell,s Induction Bridge in detail.
- Write down about Biot & Savart Law (Statement), Application of Biot & Savart Law to steady currents, Magnetic field due to a current carrying straight wire.
- 10) Write down about Helmholtz Coil in detail.



Abasaheb Marathe Arts and New Commerce, Science College, Rajapur Department of Physics

Academic Year 2023-24

Class- B.Sc. First Year (Semester II)

CONTINUOUS INTERNAL EVALUATION (Home Assignment)

Topics Selected & Submission Schedule

(

All the F.Y. B.Sc. (Sem- II) Physics students are hereby informed that, their Home Assignment submission schedule is displayed in the Physics department notice board as shown below. It is compulsory to all to submit it on or before the prescribed date.

ROLL No.	NAME OF CANDIDATE	Topic of Home Assignment Selected	Student's Sign	Date of Submission
2023271	Gundye Ansh Rajan	Newton's Laws of Motion	gien	
2023272	Gurav Sanvi Sanjay	Introduction to Aberration in Lenses	BANUT	
2023273	Lanjekar Yash Naresh	An Introduction to Lens	Y.N. LANJEKAR	.024 am)
2023274	Shinde Mandar Sakharam	Number Systems	Shinde	22/02/2024 to 10.00 am)
2023275	Zhapdekar Salina Samir	Applications of Optical Fibre	Bhe delcas	22/ to 1
2023276	Narvekar Siddharth Deepak	Mass Defect and Binding Energy	Bronekas.	lay, am
2023277	Agare Yash Ekanath	Rectifier Circuits	Moore	Thursday (09.30 an
2023279	Mapari Saad M.Hanif	Applications of Bernoulli's Equation		FS
2023280	Amare Satish Vijay	Heat Engine		



AY 2022-23

Class-B.Sc. First Year (Semester II)

CONTINUOUS INTERNAL EVALUATION (Home Assignment)

Presenty/ Submission Record

DATE:- Thursday, 22/02/2024

As per the schedule, the following students have submitted their Home Assignments.

((

Sr.No.	ROLL No.	NAME OF CANDIDATE	Home Assignment Submitted	Student's Sign	REMARK
1.	2023271	Gundye Ansh Rajan	Newton's Laws of Motion	Sish	
2.	2023272	Gurav Sanvi Sanjay	Introduction to Aberration in Lenses	SANVI	
3.	2023273	Lanjekar Yash Naresh	An Introduction to Lens	Y.N. LANJEKAR	
4.	2023274	Shinde Mandar Sakharam	Number Systems	# Alinda	
5.	2023275	Zhapdekar Salina Samir	Applications of Optical Fibre	Sporgeron	
6.	2023276	Narvekar Siddharth Deepak	Mass Defect and Binding Energy	Phaneka	
7.	2023277	Agare Yash Ekanath	Rectifier Circuits	Agare	
8.	2023279	Mapari Saad M.Hanif	Applications of Bernoulli's Equation	3300	
9.	2023280	Amare Satish Vijay	Heat Engine		



Abasaheb Marathe Arts and New Commerce, Science College, Rajapur Department of Physics

A.Y. 2023-24

Class-B.Sc. First Year (Semester II)

CONTINUOUS INTERNAL EVALUATION

(Home Assignment)

Mark-List

(Date of Home Assignment Submission- Thursday, 22/02/2024)

ROLL No.	NAME OF CANDIDATE	Home Assignment Submitted	Marks Obtained	REMARK
2023271	Gundye Ansh Rajan	Newton's Laws of Motion	10	also
2023272	Gurav Sanvi Sanjay	Introduction to Aberration in Lenses	10	SANUT
2023273	Lanjekar Yash Naresh	An Introduction to Lens	10	Y.M. LANJEHA
2023274	Shinde Mandar Sakharam	Number Systems	10	# A made
2023275	Zhapdekar Salina Samir	Applications of Optical Fibre	09	(Manager
2023276	Narvekar Siddharth Deepak	Mass Defect and Binding Energy	08	Shorela
2023277	Agare Yash Ekanath	Rectifier Circuits	09 -	Agaze
2023279	Mapari Saad M.Hanif	Applications of Bernoulli's Equation	(AB)	
2023280	Amare Satish Vijay	Heat Engine	AB	



A.Y. 2023-24

Class- B.Sc. First Year (Semester II)

CONTINUOUS INTERNAL EVALUATION

(Home Assignment)

Mark-List

(Date of Home Assignment Submission-Thursday, 22/02/2024)

ROLL No.	NAME OF CANDIDATE	Home Assignment Submitted	Marks Obtained	REMARK
2023271	Gundye Ansh Rajan	Newton's Laws of Motion	10	all
2023272	Gurav Sanvi Sanjay	Introduction to Aberration in Lenses	10	SANUT
2023273	Lanjekar Yash Naresh	An Introduction to Lens	10	Y.M. LANJEH
2023274	Shinde Mandar Sakharam	Number Systems	10	# Ande
2023275	Zhapdekar Salina Samir	Applications of Optical Fibre	09	(A) apd ch
2023276	Narvekar Siddharth Deepak	Mass Defect and Binding Energy	08	Bhorelo
2023277	Agare Yash Ekanath	Rectifier Circuits	09 -	Agase
2023279	Mapari Saad M.Hanif	Applications of Bernoulli's Equation	AB	. 6006
2023280	Amare Satish Vijay	Heat Engine	(AB)	



A.Y. 2023-24 (Term Second)

INTERNAL ASSESSMENT

Class- FY B.Sc. Semester II

	Class- FY B.Sc. Semester	
	Paper- I OPTICS- I Time Allotted- 1	hrs.
	Max Marks- 25	
Date- 01/04	./2024	
Solve all ques All questions	are compulsory.	(10)
Que. 1- i) ii) iii) iv) v) vi) vii) viii) ix)	The distance are measured by taking the optical centre of the lens as the The magnifying glass makes the words appear much	0
Que. 2-Att	State the names of five different types of lenses with suitable diagrams. Explain the principle foci and focal planes for a lens system/ thick lens with near diagram. Derive the condition for achromatic combination of two thin lenses in contact.	t (05
•	tompt any one	(
Que. 3-At i) ii) iii)	Distinguish between Huygen's and Ramsden's eyepiece. Write a short note on interference in thin films due to Reflected light. Write a short note on Gauss' eyepiece.	(05
	ttempt any one	
i) ii) iii)	Explain the spontaneous emission of light. Write advantages, disadvantages and applications of He- Ne laser. Write a note on temperature sensor.	



Abasaheb Marathe Arts & New Commerce, Science College, Rajapur Department of Physics

A.Y. 2023-24

INTERNAL ASSESSMENT

Class- FY B.Sc. Semester II Paper-II Electricity & Electronics

Time Allotted- 1 hrs. Max. Marks- 25 Date- 01/ 04/2024 Solve all questions All questions are compulsory. (10)Fill in the blanks. Que. 1i) Form factor for a pure sine wave is ii) The r.m.s. value of a sinusoidal A.C. current is equal to its value at an angle of ... degrees. iii) bridge is used for comparing capacitance of capacities. iv) Superposition theorem is applied to only to circuit having Elements. v) For an ideal constant voltage source, internal resistance is vi) Rectifier is a device which converts vii) Zener diode is always connected in The hexadecimal number system has base ix) The output of NOR gate is high when both the inputs are x) is a universal gate. (05)Que. 2- Attempt any one i) An electric lamp of 100 volt marked, consumes a current of 10 A. Calculate the inductance of the required choke when it is connected to a 200 volt, 50 Hz A.C. mains. ii) Write a short note on Maxwell's inductance bridge. (05)Que. 3- Attempt any one i) Explain an ideal current source. ii) What is filter circuit? Draw the block diagram of rectifier with filter circuit. (05)Que. 4- Attempt any one i) What is binary number system? Explain how binary number can be converted to equivalent

decimal number system.

ii) If $Y = A + \overline{B}C$, design the circuit diagram using basic gates.