

Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar
Department of Chemistry

Date: 20/11/2021

Short Term/Certificate Course: "Introduction of the Periodic Table"
Board of Studies-2021-2022

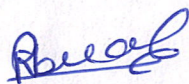
Sr. No.	Designation	Name of Person
1	Chairman	Dr L.D. Bhor (Principal)
2	Member	Dr D.R. Nagargoje (Head Dept. of Chemistry)
3	Member	Dr V.B. Gade (Expert)
4	Member	Prof. P. K. Patil (Chairman Short Term Course Committee)
5	Member	Prof. R. A. Kawale (Co-ordinator "Introduction of the Periodic Table" short term course)

Minutes of Meeting

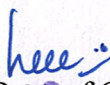
Board of studies meeting for the short term Course "**Introduction of the Periodic Table**" was held on 20/11/2021 at 12:30 pm in the Principal cabin.

The Following points are discussed in the meeting.

- Syllabus formation of " Introduction of the Periodic Table" short term course
- Distribution of work
- To run the course without fee
- Encouragement of Students

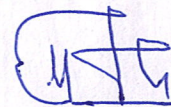


Course Co-ordinator



Head Dept. of Chemistry

Department of Chemistry / रायतशिक्षण संस्था



Principal

Arts, Science & Com. College
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

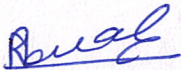
Short Term Course 2021-22

Short Term / Certificate course in Introduction of the Periodic table

Date: 20-11-2021

Notice

All students of F.Y.B.Sc. are hereby informed that the Department of Chemistry, ASC College, Mokhada going to conduct a short term course entitled **Introduction of the Periodic table** from Dec.2021. Interested students register their names with Mr. R. A. Kawale. The duration of course is three months.



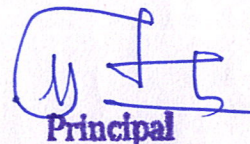
Course Coordinator





Head,

Dept. of Chemistry,
ASC College, Mokhada.



Principal

Arts, Science & Commerce, College
Mokhada, Dist. Palghar

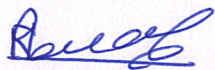
Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar

Department of Chemistry
Short Term Course: "Introduction of the Periodic Table"

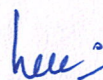
Time Table 2021-22

W.e.f. 01/12/2021

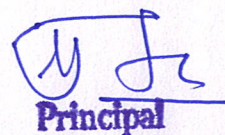
Time	Monday	Friday	Saturday
09.00 am to 10.00 am	RAK	VBG	SRV
10.00 am to 11.00 am	RAK	VBG	SRV



Course Coordinator
(Mr. R. A. Kawale)



Head / विभागप्रमुख
Department of Chemistry / रसायनशास्त्र विभाग



Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar

Phone-02529-256628/256706

Email-asccmokhada@gmail.com

Website: www.asccmokhada.co.in

Department of Chemistry

Short Term / Certificate Course

Course code- USCS02

Course name: "Introduction of the Periodic Table"

Duration of Course: 03 Months

Aims and Objectives:

- 1) To explain the structure of an atom
- 2) To list periods and groups in the Periodic Table
- 3) To determine the electronic configuration of an element
- 4) To Outline the Periodic Table trends
- 5) To outline the different types of chemical bonds

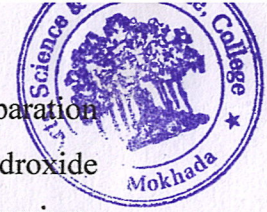
Course Syllabus 2020-21

Syllabus

- | | |
|---|-------------|
| 1) Classification of Elements and Periodicity in Properties | 10 L |
| <ul style="list-style-type: none">• Genesis of Periodic Classification• Dobereiner's Triads• Newland's Octaves• Mendeleev's Periodic Table• Modern periodic table | |

Classification of elements on modern periodic table

- 1) **s-block elements**-General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends



in chemical reactivity with oxygen, water, hydrogen and halogens; uses. Preparation and properties of some important compounds: Sodium carbonate, sodium hydroxide and sodium hydrogen carbonate, biological importance of sodium and potassium. Calcium oxide and calcium carbonate and industrial uses of lime and limestone, biological importance of Magnesium and Calcium.

10 L

p-block elements

- 2) **13-Group Elements-** General introduction, electronic configuration, occurrence. Variation of Properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group. Boron physical and chemical properties, some important compounds: borax, boric acids, boron hydrides. Aluminium; uses, reactions with acids and alkalis. 5 L
- 3) **14-Group Elements-** General introduction, electronic configuration, occurrence, variation of Properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first element. Carbon – catenation, allotropic forms, physical and chemical properties; uses of some important compounds; oxides. Important compounds of silicon and their uses: silicon Tetrachloride, silicones, silicates and zeolites and structure of silicates. 5 L
- 2) **15-Group Elements-** General introduction, electronic configuration, occurrence, oxidation states, trends in physical and chemical properties; nitrogen – preparation, properties and uses; Compounds of nitrogen; preparation and properties of ammonia and nitric acid, oxides of nitrogen (structure only); Phosphorous-allotropic forms; compounds of phosphorous; preparation and properties of phosphine, halides (PCl_3 , PCl_5) and oxoacids (elementary idea only). 5 L
- 3) **16-Group Elements-** General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; dioxygen; preparation, properties and uses;
Classification of oxides, simple oxides; Ozone. Sulphur – allotropic forms; compounds of sulphur; preparation, properties and uses of sulphur dioxide; sulphuric acid; industrial process of manufacture, properties 5 L
- 4) **17-Group Elements-** General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; compounds of halogens; preparation, properties and uses of chlorine and hydrochloric acid, interhalogen compounds, oxoacids of halogens 5 L

- 5) **18-Group Elements**- General introduction, electronic configuration. Occurrence, trends in physical and chemical properties, uses. **5 L**
- 6) **d-block elements**- General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$. **5 L**
- 7) **f-block elements**- Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction **and its consequences**. **Actinoids** – Electronic configuration, oxidation states. **Comparison with lanthanoids**. **5 L**

Course Outcome

After completing this course you will be able to:

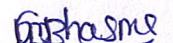
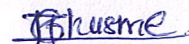


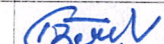
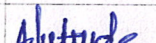
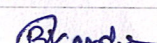
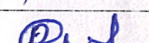
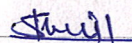

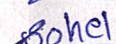

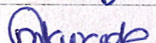
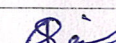
- 1) Explain the structure of an atom
- 2) List periods and groups in the Periodic Table
- 3) Determine the electronic configuration of an element
- 4) Outline the different types of chemical bonds
- 5) Outline the Periodic Table trends

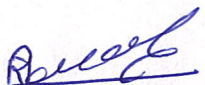
References

- 1) **Concise Inorganic Chemistry- J. D. Lee**
- 2) **Advanced Inorganic Chemistry- Ajay Kumar, Mukesh Chand**
- 3) **Inorganic Chemistry- Shriver and Atkins**

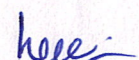


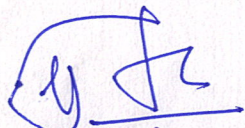
Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar
Department of Chemistry
Short Term Course: "Introduction of the Periodic Table"
Academic Year-2021-22
Student List
(Course Code-USCS02)

Sr. No.	Name of the Student	Sign
1.	Bhasme Dinesh Mukunda	
2.	Bhasme Prakash Hema	
3.	Bhusare Shyam Prakash	
4.	Dandekar Shalini Vishnu	
5.	Jadhav Dhiresh Baliram	
6.	Khutade Ashwini Laxman	
7.	Korde Bhavesh Krushna	
8.	Lachke Rajendra Hari	
9.	Lakhan Sunil Kisan	
10.	Sah Rani Vinod	
11.	Shaikh Sohel Sikandar	
12.	Wagh Vrushabh Nivrutti	
13.	Warghade Mittal Kamlakar	
14.	Warghade Ritesh Bhaskar	


Course Coordinator




Head,
Dept. of Chemistry


Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Introduction of the Periodic Table"
Theory Attendance Report 2021-22 (9.00 am to 11.00 am)

Sr. No.	Name of the Student	6/12/2021	10/12/21	11/12/21	13/12/21	18/12/21	24/12/21	1/01/2022
1.	Bhasme Dinesh Mukunda	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>	—	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>
2.	Bhasme Prakash Hema	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>	<u>Bhasme</u>	—
3.	Bhusare Shyam Prakash	<u>Bhusare</u>	<u>Bhusare</u>	<u>Bhusare</u>	<u>Bhusare</u>	<u>Bhusare</u>	<u>Bhusare</u>	<u>Bhusare</u>
4.	Dandekar Shalini Vishnu	<u>Dandekar</u>	—	<u>Dandekar</u>	<u>Dandekar</u>	<u>Dandekar</u>	<u>Dandekar</u>	<u>Dandekar</u>
5.	Jadhav Dhireshe Baliram	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
6.	Khutade Ashwini Laxman	<u>Khutade</u>	<u>Khutade</u>	<u>Khutade</u>	<u>Khutade</u>	<u>Khutade</u>	<u>Khutade</u>	<u>Khutade</u>
7.	Korde Bhavesh Krushna	<u>Korde</u>	<u>Korde</u>	<u>Korde</u>	<u>Korde</u>	<u>Korde</u>	<u>Korde</u>	<u>Korde</u>
8.	Lachke Rajendra Hari	<u>Lachke</u>	<u>Lachke</u>	—	<u>Lachke</u>	<u>Lachke</u>	<u>Lachke</u>	<u>Lachke</u>
9.	Lakhan Sunil Kisan	<u>Lakhan</u>	<u>Lakhan</u>	<u>Lakhan</u>	<u>Lakhan</u>	<u>Lakhan</u>	<u>Lakhan</u>	<u>Lakhan</u>
10.	Sah Rani Vinod	<u>Sah</u>	<u>Sah</u>	<u>Sah</u>	<u>Sah</u>	<u>Sah</u>	<u>Sah</u>	<u>Sah</u>
11.	Shaikh Sohel Sikandar	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>
12.	Wagh Vrushabh Nivrutti	<u>Wagh</u>	—	<u>Wagh</u>	<u>Wagh</u>	<u>Wagh</u>	<u>Wagh</u>	<u>Wagh</u>
13.	Warghade Mittal Kamalakar	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>
14.	Warghade Ritesh Bhaskar	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>	<u>Warghade</u>

Aravind
Course Coordinator



Head
Head,
Dept. of Chemistry

Principal
Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Introduction of the Periodic Table"
Theory Attendance Report 2021-22 (9:00 am to 11:00 am)

Sr. No.	Name of the Student	3/11/22	7/10/22	8/01/22	10/01/22	14/01/22	15/01/22	19/01/22
1.	Bhasme Dinesh Mukunda	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme
2.	Bhasme Prakash Hema	Bhasme	Bhasme	—	Bhasme	Bhasme	Bhasme	Bhasme
3.	Bhusare Shyam Prakash	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
4.	Dandekar Shalini Vishnu	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme
5.	Jadhav Dhiresb Baliram	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme	Bhasme
6.	Khutade Ashwini Laxman	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
7.	Korde Bhavesh Krushna	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
8.	Lachke Rajendra Hari	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme
9.	Lakhan Sunil Kisan	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme
10.	Sah Rani Vinod	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
11.	Shaikh Sohel Sikandar	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
12.	Wagh Vrushabh Nivrutti	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
13.	Warghade Mittal Kamalakar	Bhasme	Bhasme	—	Bhasme	Bhasme	Bhasme	Bhasme
14.	Warghade Ritesh Bhaskar	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme

Bhaskar
Course Coordinator



hewi
Head,

Dept.-of-Chemistry

[Signature]
Principal

Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Short Term Course: "Introduction of the Periodic Table"
Theory Attendance Report 2021-22 (9.00 am to 11.00 am)

Sr. No.	Name of the Student	12/02/22	14/02/22	18/02/22	21/02/22	25/02/22	26/02/22	28/02/22
1.	Bhasme Dinesh Mukunda	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme
2.	Bhasme Prakash Hema	—	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
3.	Bhusare Shyam Prakash	Bhusare	Bhusare	Bhusare	Bhusare	Bhusare	Bhusare	Bhusare
4.	Dandekar Shalini Vishnu	Dandekar	Dandekar	Dandekar	Dandekar	Dandekar	—	Dandekar
5.	Jadhav Dhiresb Baliram	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
6.	Khutade Ashwini Laxman	Khutade	Khutade	Khutade	Khutade	Khutade	Khutade	Khutade
7.	Korde Bhavesh Krushna	Korde	Korde	Korde	Korde	Korde	Korde	Korde
8.	Lachke Rajendra Hari	Lachke	Lachke	Lachke	Lachke	Lachke	—	Lachke
9.	Lakhan Sunil Kisan	—	Lakhan	Lakhan	Lakhan	Lakhan	—	Lakhan
10.	Sah Rani Vinod	Sah	Sah	Sah	Sah	Sah	Sah	Sah
11.	Shaikh Sohel Sikandar	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh
12.	Wagh Vrushabh Nivrutti	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh
13.	Warghade Mittal Kamlakar	Warghade	Warghade	Warghade	Warghade	Warghade	Warghade	Warghade
14.	Warghade Ritesh Bhaskar	Warghade	Warghade	Warghade	Warghade	Warghade	Warghade	Warghade

(Signature)

Course Coordinator



(Signature)
Head,
Dept. of Chemistry

Principal

Arts Science & Commerce, College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
Arts, Science and Commerce College, Mokhada, Dist. Palghar
Department of Chemistry

Short Term Course: "Introduction of the Periodic Table"
Theory Attendance Report 2021-22 (9.00 am to 11.00 am)

Sr. No.	Name of the Student	4/03/22	05/3/22	07/3/22	11/03/22	12/03/22	14/03/22	19/03/22
1.	Bhasme Dinesh Mukunda	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
2.	Bhasme Prakash Hema	Bhasme	Bhasme	Bhasme	Bhasme	—	Bhasme	Bhasme
3.	Bhusare Shyam Prakash	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
4.	Dandekar Shalini Vishnu	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
5.	Jadhav Dhiresb Baliram	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
6.	Khutade Ashwini Laxman	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
7.	Korde Bhavesh Krushna	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
8.	Lachke Rajendra Hari	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
9.	Lakhan Sunil Kisan	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
10.	Sah Rani Vinod	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
11.	Shaikh Sohel Sikandar	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
12.	Wagh Vrushabh Nivrutti	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
13.	Warghade Mittal Kamlakar	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme
14.	Warghade Ritesh Bhaskar	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme	Bhasme

[Signature]

Course Coordinator



[Signature]
Head,

Dept. of Chemistry

[Signature]
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Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

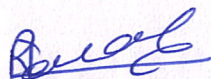
Short Term Course 2021-22

Short Term / Certificate course in Introduction of the Periodic table

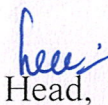
Date: 07-04-2021

Notice

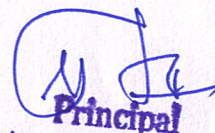
All students of short term named **Introduction of the Periodic table** are hereby informed that the Department of Chemistry, ASC College, Mokhada going to conduct a Test on 09/04/2022 at 10 am. All should remain present on time.



Course Coordinator



Head,
Dept. of Chemistry,
ASC College, Mokhada.



Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry
Short Term Course 2021-22

Short Term / Certificate course in "Introduction of the Periodic Table"

Time: 10 am to 11 am

Date: 09-04-2021

Mark-50

-
1. Which of the following metal is not an alkali metal?
a) magnesium
b) rubidium
c) sodium
d) caesium
2. Alkali metals have the biggest atomic radii.
a) true
b) false
3. The melting point of alkali metal is _____
a) depends on the atmosphere
b) low
c) high
d) zero
4. Is there removal of second electron difficult in alkali metals?
a) Yes
b) No
c) Maybe
d) Cannot say
5. Alkali metals are strongly _____
a) neutral
b) electropositive
c) electronegative
d) non-metallic
6. Alkaline earth metals show +1 Oxidation state and their atomic volume _____ down the group.
a) is irregular
b) increase
c) decrease
d) do not change
7. Which of the following is not an alkaline earth metal?
a) beryllium
b) boron
c) aluminium
d) calcium
8. How many electrons do group 2 elements have in their S orbital of the valence shell?
a) 1
b) 2
c) 3
d) 4
9. Which of the following order is correct with respect to the hydration enthalpy?
a) $B > Mg > Ca < Sr > Ba$
b) $Be^{+2} > Mg^{+2} > Ca^{+2} > Sr^{+2} > Ba^{+2}$
c) $B > Mg < Ca > Sr > Ba$
d) $B > Mg > Ca > Sr < Ba$
10. The reduction potential of alkaline earth metals is _____ alkali metals.
a) may be equal to
b) greater than
c) less than
d) equal to
11. Are group 13 elements a part of p block elements?
a) Yes
b) No
c) Only a few
d) Only one
12. Which of the following group's elements have smaller atomic radii?
a) Group 1 elements
b) Group 2 elements
c) Group 13 elements
d) All have the same atomic radii



Rayat Shikshan Sanstha's

Arts, Science and Commerce College Mokhada

Class: F. Y. B. Sc. (2021-22) Sub: Chemistry

Short term- Introduction of the periodic table

Unit Test-I

Sr. No.	Name of the student	Score
1)	Dhiresb Baliram Jadhav	44 / 50
2)	Mittal kamlakar warghade	44 / 50
3)	Prakash Hema Bhasme	44 / 50
4)	Shalini vishnu Dandekar	42 / 50
5)	Ritesb Bhaskar Warghade	42 / 50
6)	Shyam Prakash Bhusare	34 / 50
7)	Sohel sikandar shaikh	42 / 50
8)	Ashvini laxman Khutade	42 / 50
9)	Rani vinod saah	34 / 50
10)	Bhavesh krushana korade	38 / 50
11)	Vrushabh Nivrutti Wagh	44 / 50
12)	Rajendea hari Lachake	44 / 50
13)	Sunil kisan lakhan	40 / 50
14)	Dinesb mukunda bhasme	46 / 50

Ravind
course coordinator



here:
Head / विभागप्रमुख
Department of Chemistry / रसायनशास्त्र विभाग

UTG
Principal

Arts, Science & Commerce, College

Rayat Shikshan Sanstha's,
ASC College, Mokhada, Dist: Palghar
Department of Chemistry

Short Term Course 2021-22

Short Term / Certificate course in "Introduction of the Periodic Table"

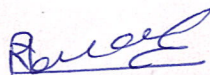
Date: 11-04-2022

Report

The Department of Chemistry, ASC College, Mokhada conducted a short term course entitled **Introduction of the Periodic Table**. Total 14 students of F.Y.B.Sc. were admitted in the course. The duration of course was three months. The course was conducted satisfactorily by the Dept. of Chemistry, ASC College, Mokhada, Dist: Palghar.

Outcomes of the course:

- 1) Students learn the modern periodic law and long form of periodic table
- 2) Preparation, Chemical and physical properties of the elements.



Course Coordinator



Head / विभागप्रमुख
Department of Chemistry / रसायनशास्त्र विभाग



Principal
Arts, Science & Commerce, Colloge
Mokhada, Dist. Palghar



Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

005

CERTIFICATE

This is to certify that Shri / Smt Jadhav Dhiresb Beliram

..... (Class F.Y.B.Sc.) of

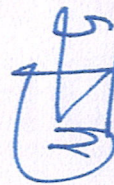
(College) Arts, science and Commerce college, Mohada

Dist- Purgar..... has successfully completed

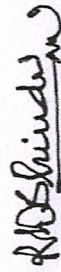
a short term course in Introduction of the periodic table

Academic year 2021 - 2022 (From 06/12/2021 To 19/03/2022) and

secured 1..... Grade.


PRINCIPAL





Executive Director
Karmaveer Vidyaprabodhini



Chairman
Karmaveer Vidyaprabodhini



Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

004

CERTIFICATE

This is to certify that **Shri / Smt Dandekar shalini vishnu**

..... (Class **F.Y.B.Sc.**) of

(College) **Arts, science and Commerce college, mokhada**

Dist- palghar has successfully completed

a short term course in **Introduction of the periodic table**

Academic year **2021 - 2022** (From **06/12/2021** To **19/03/2022**) and

secured Grade.



PRINCIPAL



KDShinde

Executive Director
Karmaveer Vidyaprabodhini

WCD

Chairman
Karmaveer Vidyaprabodhi



Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

003

CERTIFICATE

This is to certify that Shri / Smt Bhusare shyam prakash.....
..... (Class f.y.B.Sc.) of

(College) Art's, science and commerce college, malkheda.

dist - palghar

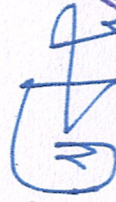
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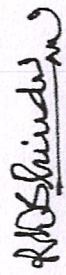
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Executive Director
Karmaveer Vidya Prabodhini


Chairman

Karmaveer Vidya Prabodhi



Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

002

CERTIFICATE

This is to certify that Shri / Smt **Bhosme Prakash Hema**

..... (Class **F.Y.B.Sc.**) of

(College) **Art's, science and Commerce college, Makhada**

Dist - Palghar has successfully completed

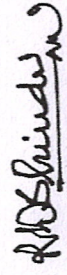
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Executive Director
Karmaveer Vidya Prabodhini


Chairman
Karmaveer Vidya Prabodhini



Rayat Shikshan Sanstha, Satara
Karmaveer Vidya Prabodhini

CERTIFICATE

This is to certify that Shri / Smt Bhasme Dinesh Mukunda

..... (Class F.T.B.Sc.) of

(College) Arts, science and commerce college, morkheda

Dist - Palyghar..... has successfully completed

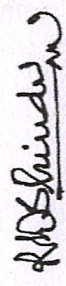
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