



Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**

**Tq. Deoni Dist.Latur**

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)  
(Science, Commerce & Technology)

[www.kairasikamahavidyalaya.com](http://www.kairasikamahavidyalaya.com)

NAAC Accredited 'B' Grade (UGC 2f &12B)

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 399

Email:rasikadeoni399@gmail.com

Hon. Mr. Govindrao Biradar  
**President**  
Janseva Sevabhavi Pratishthan  
Bhopani

Hon. Mr. Gajananji Biradar  
**Secretary**  
Janseva Sevabhavi Pratishthan  
Bhopani

Dr. Chandrakant A. Jawale  
M.Sc., B. Ed, P.hD. FZSI, FIAES, FISST  
**Principal**  
[drcjawale@gmail.com](mailto:drcjawale@gmail.com) 9421481557

**Declaration**

This is to certify that the data, reports and copies of supporting documents submitted to the NAAC are true and verified by the IQAC.

Hence certified.

Date: 02/05/2024

Place: Deoni

  
IQAC-COORDINATOR  
Kai Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
Principal  
Kai Rasika Mahavidyalaya, Deoni  
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**Principal**  
drcajawale@gmail.com 9421481557

Ref.No.K.R.M.D./ Office/2022-23/

Date: 2 /07 /2022

## सुचना

महाविद्यालयातील सर्व विद्यार्थ्यांना सुचित करण्यात येते की, आपल्या महाविद्यालयातील विद्यार्थ्यांसाठी योगाची प्राथमिक तत्वे या विषयावर शारीरिक शिक्षण व क्रीडा विभागामार्फत प्रमाणपत्र कोर्स घेण्यात येणार आहे. हा प्रमाणपत्र कोर्स 15 दिवसांचा घेण्यात येणार आहे. त्यानंतर परीक्षा घेऊन उत्तीर्ण होणाऱ्या विद्यार्थ्यांना प्रमाणपत्र देण्यात येणार आहेत याची नोंद सर्व विद्यार्थ्यांनी घ्यावी. तरी इच्छुक विद्यार्थ्यांनी आपली नावे प्रा.डॉ.सचिन चामले (क्रीडा विभाग प्रमुख) यांच्याकडे नोंदवावीत

  
प्रा.डॉ.सचिन चामले  
शारीरिक शिक्षण संचालक

  
प्र.चार्य  
डॉ. चंद्रकांत जावळे  
Principal  
Kai.Rasika Mahavidyalaya  
Deoni Dist.Latur



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**Background of the course:**

1. The vision of our institution has been taken from the Rigveda, Indian Ancient Vedic Literature. The meaning in brief is, "Let all the noble, divine thoughts come to us from all directions of the universe."
2. Today it is very significant to be thirsty of infinite knowledge and aspire to gain noble and divinethoughts, wherever may be originated, from all over the world. Our teacher's and student's knowledge horizon will be expanded without any narrow compartmentation limits. Definitely it can be accomplished by such divine vision.
3. The second International Day of Yoga (IDY-2016) was held around the theme, connect with Youth" to engage and seek participation from the younger audience. The theme of International Day of Yoga (IDY-2020) was 'Ghar Ghar me Yog' which signifies the importance of staying at home and practice Yoga with family while observing social distancing. Staying at home would keep you away from contagious Corona virus and Yoga would help keep you and your family in good health.
4. Objectives of the course:
  - To keep students and their families physically and mentally healthy while doing Yoga at home
  - To create awareness about physical, mental health and practice daily yogic exercises.
5. Participants
  - Minimum 20 and maximum 100 per batch
6. Mode of delivery:

Daily Lecture/ Q&A The end of each session, Daily Assignments, e-material for reading/self-study
7. Total study hours -30  
Theory- 10 hours, Practical-15 hours, Assignments-05 hours Frequency Course and exam Conducted once in a year Target group- Students and their family members Language of instruction- Marathi, Hindi
8. Resource Persons: **Dr. Sudarshan Pedge**
9. Programme Organisers and Coordinators:

Organisers: **Dr. Chandrakant Jawle (Principal) Kai.Rasika College, Deoni.**  
Coordinators: **Dr. Sudarshan Pedge**  
**Dr. Sachin Chamle.**  
**Director of Physical Education & Sports,**  
**Kai.Rasika College, Deoni.**



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## Contents of the Course:

### योगाची प्राथमिक तत्वे योगा प्रमाणपत्र कोर्स 2022 (अभ्यासक्रम)

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प्रकरण पहिले 1.1 योगा म्हणजे काय आणि त्याची आवश्यकता

1.2. योगाचे महत्त्व आणि लाभ

1.3 आसनाचे वर्गीकरण

1.4 योगासनाशी संबंधित नियम आणि सावधगिरी

प्रकरण दुसरे 2.1 विविध आसने

2.2 प्राणायाम

2.3 ध्यान

2.4 सूर्यनमस्कार

संदर्भ :- योगासने आणि आरोग्य ( आचार्य भगवान देव )

  
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### Resource Persons for the course:



**Dr. SUDARSHAN  
SAMBHAJIRAO PEDGE**  
YOGA TEACHER AND  
COURSE CO-ORDINATOR

- **NAME: Dr.SUDARSHAN SAMBHAJIRAO PEDGE**
- **DESIGNATION: HEAD AND ASSISTANT PROFESSOR**
- **DEPARTMENT: ZOOLOGY**
- **COLLEGE: Kai.RASIKA MAHAVIDYALAYA,DEONI**
- **VALUE ADDED COURSE: BASIC PRINCIPAL OF YOGA**
- **DESIGNATION: YOGA TEACHER AND COURSE  
CO-ORDINATOR**
- **QUALIFICATION: DIPLOMA IN YOGA TEACHER**
- **UNIVERSITY: YESHWANTRAO CHAVAN MARATHWADA  
OPEN UNIVERSITY, NASHIK**
- **Professional Experience : 05**

PRN \*2009017000750476



\*231700283\*

This is to certify that

**PEDGE SUDARSHAN SAMBHAJIRAO**

having pursued  
the prescribed courses of study  
and passed the examination held  
in **May 2010**

**First Class**  
is hereby awarded the

*Diploma in Yoga-Teacher*



यशवंतराव  
चव्हाण

महाराष्ट्र  
मुक्त

विद्यापीठ

नाशिक  
(भारत)

Yashwantrao  
Chavan

Maharashtra  
Open

University  
Nashik

(India)

का. नों. क्र. \*2009017000750476

प्रमाणित करण्यात येते की,

**पेडगे सुदर्शन संभाजीराव**

यांनी विहित अभ्यासक्रमांचे अध्ययन करून

**मे 2010**

मध्ये घेण्यात आलेल्या परीक्षेत

**प्रथम वर्गात**

उत्तीर्ण झाल्याबद्दल त्यांना

**योगशिक्षक पदविका**

प्रदान करण्यात येत आहे.

द्याची साक्ष म्हणून

विद्यापीठाच्या कुलगुरूंचो स्वाक्षरी आणि

विद्यापीठाचो मुद्रा येथे अंकित करण्यात येत आहे.

*Chavhan*  
Vice-Chancellor

*कुलगुरू*  
कुलगुरू

The authenticity of this certificate can be verified on our University website: [www.ychou.ac.in](http://www.ychou.ac.in)

## Time Table Yoga Course

Basic Principles of Yoga (15 / 07 /2022 to 01 /08/ 2022)

Day-01	Day-02	Day-03	Day-04	Day-05	Day-06	Day-07	Day-08	Day-09	Day-10	Day-11	Day-12
15 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	16 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	18 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	19 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	20 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	21 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	22 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	23 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	25 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	26 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	27 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory	28 July 2022 Morning 8.30 am to 10.00 am Practical Evening 4.00 pm to 5.00 pm Theory
Day-13	Day-14	Day-15									
29 July 2022 Theory exam	30 July 2022 Practical Exam	1 Aug 2022 Declaration of Results	Dr. Sudarshan Pedge - Practical								
			Dr. Sachin Chamle - Theory & Examiner								



Head of Department



Course Coordinator



Principal

**Notice**

Date:14/08/2022

All students informed that your Certificate Course examination is held on 17/08/2022 at 2:00 PM to 3:00PM.



Course co-ordinator  
Dept of Commerce

- 1) Tenkale m.v.
- 2) Dr Somani U.Y.
- 3) Dr. P.R. More
- 4) Dr. Bhande P.S.
- 5) Bhusawale A.N.


**IQAC-COORDINATOR**  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



**Principal**  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



# Kai Rasika Mahavidhyalay, Deoni

## Certificate Course

### Course Title: Jump start Entrepreneurship

**Course Overview:** Welcome to Jump start Entrepreneurship, a comprehensive two-week course designed to equip aspiring entrepreneurs with the foundational knowledge, skills, and mindset necessary to embark on their entrepreneurial journey. Over the course of two weeks, you will delve into key concepts, strategies, and practical exercises that will empower you to navigate the dynamic world of entrepreneurship with confidence clarity.

#### Objectives:

1. Student would made to understand the history of business
2. work on developing a business idea
3. Creating a strategic plan for launching their venture
4. To understand the internal and external environment of business

#### Outcomes:

1. To become successful Entrepreneur
2. It develops Entrepreneur skill
3. It develops Entrepreneurial mindset

No. of Lectures	25
End of course Exam	50 marks

#### Course Contents :

##### Unit 1: Introduction to Entrepreneurship

Understanding the entrepreneurial mindset, Exploring the characteristics of successful entrepreneurs, Understanding customer needs, Identifying opportunities in the market, Understanding customer needs

##### Unit 2: Ideation and Concept Development

- Generating innovative business ideas, Refining and evaluating your ideas, Developing a compelling value proposition, Business Model Canvas, Mapping out key components of your business model.

##### Unit 3: Legal and Regulatory Considerations

- Understanding legal structures for businesses, Navigating regulations and compliance requirements, Protecting your intellectual property

**Unit 4: Strategic Planning and Goal Setting**


- Setting SMART goals for your business, Developing a strategic plan effective marketing strategies on a budget, Recruiting

**Unit 5: Financial Management and Budgeting**

- Understanding basic financial concepts for entrepreneurs, Creating a startup budget and financial projections, Managing cash flow and mitigating financial risks

**Unit 6: Launch and Growth Strategies**

- Planning and executing a successful launch, Strategies for acquiring and retaining customers, Scaling your business sustainably



Principal  
Kal. Rasika Mahavidyalaya, Deow  
Tq. Deoni Dist. Latur



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College Code - 3  
Email: rasikadeoni399@gmail.com

Zoo.Dept. /2022-23/

Date: 07/07/2022

## NOTICE

It is notified for all concerned that Department of Zoology, Kai. Rasika Mahavidyalaya Deoni is going to start a Add-On course on "Major Role of Vitamin C and D in the Pandemic Situations" very soon for I, III and V<sup>th</sup> Semester students of all Departments and Faculty for their benefits in the near future.

The last date of enrolment is: 15<sup>th</sup> July, 2022.

Date of Starting: 18<sup>th</sup> July 2022      End of the Course: 20 August 2022

Duration: 30 hrs

Intake Capacity: 30 Students

Course Coordinator: Dr. Sudarshan S. Pedge.

Head & Assistant Professor,  
Department of Zoology.

### Note:

1. The course is free of cost and the successful candidates will be issued certificates by the college which will help them in future.
2. Admission is on First Come First Serve Basis. Number of seats is limited.

*Jawer*  
PRINCIPAL

Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

Sr. No	Name of the Lecturer	Class	Sign
1	Dr. V.S. Chaturge	B.Sc. T.Y.	<i>[Signature]</i>
2	Dr. P.R. More	B.Sc. F.Y.	<i>[Signature]</i>
3	B.P. Anilush	B.Sc. S.Y.	<i>[Signature]</i>
4	Dr. U.V. Somani	B.Com F.Y.	<i>[Signature]</i>
5	Dr. Tenkale M.V.	B.Sc. S.Y.	<i>[Signature]</i>
6	Dr. Kunte R.A.	B.Sc. F.Y.	<i>[Signature]</i>
7	Bhusawale A.N.	B.Com T.Y.	<i>[Signature]</i>



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Zoo.Dept. /2022-23/

Date:

## Add-On Course

1	Name of the Department	:	Zoology
2	Title of Course	:	Major Role of Vitamin C and D in the Pandemic Situations
3	Dates or Duration (from---- -to)	:	18 July to 20 August 2022 (30 hrs)
4	Venue of the Event	:	Kai. Rasika Mahavidyalaya Deoni
5	Sponsor / Collaborations (if any)	:	NIL
6	Level of the event (encircle) (International/ National / State / University / (District / College / Department etc.)	:	College Level
7	Purpose of Aim, Objective and Outcome of the Course	:	<p><b>Aims and Objectives</b> The aim of this course is to provide participants with a comprehensive understanding of the roles of Vitamin C and D in pandemic situations, particularly focusing on their impact on immune function, respiratory health, and overall well-being. Participants will learn about the importance of these vitamins in supporting immune responses to viral infections, such as COVID-19, and explore evidence-based strategies for optimizing Vitamin C and D levels during pandemics.</p> <p><b>Objectives</b> 1. To familiarize participants with the functions and sources of Vitamin C and D, as well as their respective recommended daily intakes. 2. To explore the scientific evidence supporting the roles of Vitamin C and D in immune function and respiratory health. 3. To examine the potential benefits of Vitamin C and D supplementation in preventing and managing viral infections, including COVID-19. 4. To discuss the mechanisms by which Vitamin C and D may modulate immune responses to pathogens and reduce the severity of respiratory symptoms. 5. To provide practical recommendations for optimizing Vitamin C and D levels through dietary choices, sunlight exposure, and supplementation. 6. To address safety considerations and potential risks associated with Vitamin C and D supplementation, particularly at higher doses. 7. To empower participants to make informed decisions about Vitamin C and D supplementation based on individual health status, risk factors, and pandemic-</p>



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			related circumstances. <b>Learning Outcomes</b> 1. Describe the functions of Vitamin C and D in the body and identify common food sources of these vitamins. 2. Explain the roles of Vitamin C and D in supporting immune function and respiratory health, particularly during pandemics. 3. Evaluate the scientific evidence supporting the benefits of Vitamin C and D supplementation for preventing and managing viral infections. 4. Understand the mechanisms by which Vitamin C and D may influence immune responses to pathogens, including their anti-inflammatory and antioxidant effects. 5. Implement practical strategies for optimizing Vitamin C and D levels through dietary modifications, sunlight exposure, and appropriate supplementation. 6. Recognize potential risks and side effects associated with Vitamin C and D supplementation and make informed decisions about dosage and duration. 7. Apply knowledge of Vitamin C and D supplementation to promote immune resilience and overall well-being during pandemic situations, taking into account individual health needs and circumstances.
8	Beneficiaries/participants (Type /number, etc.)	:	30
9	Other major staff/student/Institution involved in the organization of the activity	:	Principal and Teaching Staff
10	Any other information/ comment /qualitative remarks	:	
11	Photographs (with captions) submitted (number)	:	5
12	Evidence produced (Certificate, letters, newspaper cuttings etc.)	:	Notice, photos, List of participants and certificates.
13	Name and Signature of Coordinator:	:	Dr. Sudarshan S. Pedge

  
Head of Department

  
IQAC- Coordinator  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
Principal  
Principal  
Kai. Rasika Mahavidyalaya, Deoni  
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JSPB'S

**KAI. RASIKA MAHAVIDYALAYA DEONI**  
**DEPARTMENT OF ZOOLOGY**  
**ADD-ON COURSE**

**TITLE:- MAJOR ROLE OF VITAMIN C AND D IN THE PANDEMIC SITUATIONS**

**Course Duration:- 30 hrs**

**Intake:- 30**

**Course Title: The Role of Vitamin C and D in Pandemic Situations**

**Aim:**

The aim of this course is to provide participants with a comprehensive understanding of the roles of Vitamin C and D in pandemic situations, particularly focusing on their impact on immune function, respiratory health, and overall well-being. Participants will learn about the importance of these vitamins in supporting immune responses to viral infections, such as COVID-19, and explore evidence-based strategies for optimizing Vitamin C and D levels during pandemics.

**Objectives:**

1. To familiarize participants with the functions and sources of Vitamin C and D, as well as their respective recommended daily intakes.
2. To explore the scientific evidence supporting the roles of Vitamin C and D in immune function and respiratory health.
3. To examine the potential benefits of Vitamin C and D supplementation in preventing and managing viral infections, including COVID-19.
4. To discuss the mechanisms by which Vitamin C and D may modulate immune responses to pathogens and reduce the severity of respiratory symptoms.
5. To provide practical recommendations for optimizing Vitamin C and D levels through dietary choices, sunlight exposure, and supplementation.
6. To address safety considerations and potential risks associated with Vitamin C and D supplementation, particularly at higher doses.
7. To empower participants to make informed decisions about Vitamin C and D supplementation based on individual health status, risk factors, and pandemic-related circumstances.



### Course Outcomes:

By the end of the course, participants will be able to:

1. Describe the functions of Vitamin C and D in the body and identify common food sources of these vitamins.
2. Explain the roles of Vitamin C and D in supporting immune function and respiratory health, particularly during pandemics.
3. Evaluate the scientific evidence supporting the benefits of Vitamin C and D supplementation for preventing and managing viral infections.
4. Understand the mechanisms by which Vitamin C and D may influence immune responses to pathogens, including their anti-inflammatory and antioxidant effects.
5. Implement practical strategies for optimizing Vitamin C and D levels through dietary modifications, sunlight exposure, and appropriate supplementation.
6. Recognize potential risks and side effects associated with Vitamin C and D supplementation and make informed decisions about dosage and duration.
7. Apply knowledge of Vitamin C and D supplementation to promote immune resilience and overall well-being during pandemic situations, taking into account individual health needs and circumstances.

By structuring the course with clear aims, objectives, and outcomes, participants will gain a deeper understanding of the roles of Vitamin C and D in pandemic situations and acquire practical strategies for optimizing their intake to support immune health and resilience.

Designing a 15-day course syllabus on the role of Vitamin C and D in pandemic situations would involve covering various aspects of these vitamins, including their functions, sources, recommended intake, and their specific relevance during pandemics like the COVID-19 pandemic. This syllabus provides a comprehensive overview of the roles of vitamin C and D in pandemic situations, including their impact on immune function, their relevance during the COVID-19 pandemic, safety considerations for supplementation, and practical strategies for integrating these vitamins into daily life.



**KAL. RASIKA MAHAVIDYALAYA DEONI**  
**DEPARTMENT OF ZOOLOGY**  
**ADD-ON COURSE SYLLABUS**

**TITLE :- MAJOR ROLE OF VITAMIN C AND D IN THE PANDEMIC SITUATIONS**

**Course Duration: - 30 hrs**

**Intake :- 30**

**Introduction to Vitamins**

**2 hrs**

- Definition of vitamins
- Classification of vitamins
- Importance of vitamins for overall health

**Vitamin C Overview**

**2 hrs**

- Functions of vitamin C in the body
- Food sources of vitamin C
- Recommended daily intake and dietary guidelines
- Importance of vitamin C for immune function

**Immune System Basics**

**2 hrs**

- Overview of the immune system
- Different components of the immune system
- How the immune system responds to infections

**Vitamin C and Immune Function**

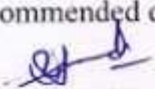
**2 hrs**

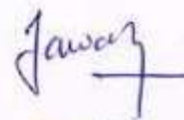
- Mechanisms by which vitamin C supports immune function
- Evidence from research studies on the role of vitamin C in preventing and managing infections
- Impact of vitamin C deficiency on immune health

**Vitamin D Overview**

**2 hrs**

- Functions of vitamin D in the body
- Sources of vitamin D (sunlight, food, supplements)
- Recommended daily intake and guidelines for vitamin D

  
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Principal

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### **Vitamin D and Immune Function**

2 hrs

- Role of vitamin D in modulating the immune system
- Effects of vitamin D deficiency on immune health
- Research evidence on the association between vitamin D status and susceptibility to respiratory infections

### **Pandemic Situations and Immune Health**

2 hrs

- Overview of pandemics and their impact on public health
- Importance of maintaining optimal immune function during pandemics
- Role of vitamins in supporting immune health during pandemics

### **COVID-19 and Immunity**

2 hrs

- Overview of COVID-19
- How the immune system responds to SARS-CoV-2 infection
- Factors influencing COVID-19 severity and outcomes, including immune status

### **Vitamin C and COVID-19**

2 hrs

- Evidence from studies investigating the role of vitamin C in COVID-19 prevention and management
- Potential mechanisms of action of vitamin C against SARS-CoV-2
- Recommendations for vitamin C supplementation during COVID-19

### **Vitamin D and COVID-19**

2 hrs

- Research findings on the association between vitamin D status and COVID-19 outcomes
- Mechanisms by which vitamin D may influence COVID-19 severity and susceptibility
- Recommendations for vitamin D supplementation during the pandemic

### **Other Health Benefits of Vitamin C and D**

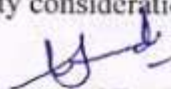
2 hrs

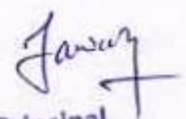
- Beyond immunity: additional health benefits of vitamin C and D
- Importance of maintaining adequate levels of these vitamins for overall health and well-being

### **Safety and Supplementation**

2 hrs

- Safety considerations for vitamin C and D supplementation

  
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- Potential risks and side effects of excessive intake
- Guidelines for safe supplementation

### **Integrating Vitamins into Daily Life**

**2 hrs**

- Practical tips for incorporating vitamin C and D-rich foods into the diet
- Sun exposure guidelines for optimizing vitamin D synthesis
- Supplement recommendations for individuals at risk of deficiency

### **Q&A Session**

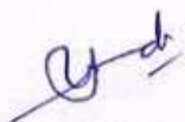
**2 hrs**

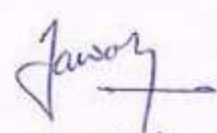
- Review of key concepts covered in the course
- Opportunity for participants to ask questions and seek clarification on any topics

### **Conclusion and Action Plan**

**2 hrs**

- Summary of key takeaways from the course
- Action plan for participants to maintain optimal levels of vitamin C and D and support immune health during pandemic situations
- Resources for further reading and ongoing learning.

  
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<b>Certificate Course in Soap Preparation</b>  <b>from Various Medicinal Plant Course :</b>  <b>Soap Making Faculty: Science</b>	<b>Title: Certificate Course in Soap</b>  <b>Preparation from Various</b>  <b>Medicinal Plant Course</b>
<b>Program: B.Sc. S.Y.</b>	<b>Total Credit: 3</b>
<b>Semester: I and II</b>	<b>Type: Soap Making</b>

**1. Student Learning Outcomes (SLOs):**

- ❖ Certificate course in soap preparation from various medicinal Plant course developments for soap making.
- ❖ Knowledge of basic concepts and techniques.
- ❖ Understanding of oil, fat and their sources in India.
- ❖ Economic benefits of high value in soap
- ❖ Medicinal plant content soap is uses to human in antibiotics
- ❖ Number of skin diseases uses to soap.

  
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**Kal. Rasika Mahavidyalaya, Deoni**  
**Tq. Deoni Dist. Latur**

**Unit-1: Introduction to oil and fats: (10hours)**

1.1 Classification, structure and sources of oil and fats and plant Extract

1.2 Natural sources of oils and fats in India

**Unit-2: Soaps: (10 hours)**

2.1 introductions to soaps, synthetic detergents, raw materials and its selection

2.2 principles of soap making and chemistry of soap

2.3 Boiling, saponification process

**Unit-3: Synthetic shop : (05 hours)**

3.1 Inorganic raw materials for manufacturing of fatty acids, olefins, alkylbenzene, methyl esters, fatty amines, ethylene oxide, propylene oxide sources and manufacture.

3.2 Inorganic raw material for Medicinal Plant

3.3 .Sulphonation of alkylbenzene, olefins & Plant vegetable and Medicinal oils, plants and processes.

**1. PRACTICALS:**

1. Determination of physico-chemical characteristics of oil and fats

2. Moisture content

3. Saponification reaction and Saponification value

4. Departmental of soap (shampoo) .

5. Plant extraction of various methods.

6. Flower extraction Methods.

**2. REFERENCES AND TEXTBOOKS:**

- Ajay Kr. Gupta, Handbook on Soaps, Detergents & Acid Slurry , 3<sup>rd</sup> revised edition; NIIR Board publication. ISBN: 9789381039472
- P. K. Chattopadhyay, Modern Technology of Soaps, Detergents & Toiletries (with Formulae & Project Profiles) 4th Revised Edition, NIIR Board publication; ISBN: 9789381039700
- H. Panda, Herbal Soaps & Detergents Handbook, NIIR Board publication; ISBN: 9789381039007

  
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## **Kai. Rasika Mahavidyalaya, Deoni**

Department of Mathematics

Date: 03.01.2023

### **Notice**

All the students of B.Sc. and B.Com., herewith informed that Department of Mathematics is going to organized Add-on Course on "Mathematics for Competitive Exam" for the duration of 30 days from 16.01.2023 to 21.02.2023.

Interested students may enroll for this Add-on course last date of enrollment is 14.01.2023, for more details Contact. Dr. Y M Muley, Mr. A S Pathan.

  
Head Department of Mathematics  
**H.O.D**  
Dept. Of Mathematics  
Kai.Rasika Mahavidyalaya

  
Principal,  
**Principal**  
Kai.Rasika Mahavidyalaya,  
**DEONI Dist.Latur**

## **Title: Mathematics for Competitive Examinations - 30-Hour Syllabus**

**Program Outcomes (POs):** Upon completion of this course, students should be able to:

Apply mathematical principles and techniques to solve complex problems.

Demonstrate proficiency in critical thinking and logical reasoning.

Develop effective problem-solving strategies within time constraints.

Exhibit a strong foundation in arithmetic, algebra, geometry, trigonometry, and calculus.

Apply mathematical concepts to real-world scenarios.

### **Course Outcomes (COs):**

#### **Week 1: Fundamentals of Arithmetic and Number Theory (6 hours)**

**CO1:** Understand the relevance of mathematics in competitive exams and apply basic problem-solving strategies.

**CO2:** Analyze and manipulate number systems, divisibility, and properties of natural and real numbers.

**CO3:** Apply modular arithmetic concepts to solve problems efficiently.

#### **Week 2: Algebra (8 hours)**

**CO4:** Simplify algebraic expressions, apply factorization techniques, and use identities effectively.

**CO5:** Solve linear and quadratic equations, and inequalities, and analyze functions and their graphs.

**CO6:** Apply polynomial and rational expressions to solve mathematical problems.

#### **Week 3: Geometry and Trigonometry (8 hours)**

**CO7:** Apply geometric principles to solve problems related to triangles, circles, and other shapes.

**CO8:** Use coordinate geometry techniques to analyze and solve problems related to lines and circles.

**CO9:** Apply trigonometric concepts to solve problems in geometry and real-world applications.

#### **Week 4: Calculus and Miscellaneous Topics (8 hours)**

**CO10:** Understand limits, continuity, and apply differentiation and integration techniques.

**CO11:** Apply derivatives to solve real-world problems and understand the applications of integrals.

**CO12:** Apply probability and statistics, set theory, and logical reasoning in mathematical problem-solving.

#### **Revision and Practice (2 hours)**

**CO13:** Demonstrate comprehensive problem-solving skills through the completion of a mock test covering all topics.

**CO14:** Review and clarify doubts, reinforcing the understanding of mathematical concepts.

This integrated syllabus ensures that students not only cover the required topics for competitive examinations but also achieve specific program and course outcomes, preparing them for success in both the exams and their broader mathematical understanding.

Basic geometric shapes  
Properties of triangles and circles  
Similarity and congruence

**Session 9 (2 hours): Coordinate Geometry**

Distance formula  
Slope of a line  
Equations of lines and circles

**Session 10 (2 hours): Trigonometry Basics**

Trigonometric ratios  
Trigonometric identities  
Applications in geometry

**Session 11 (2 hours): Advanced Trigonometry**

Trigonometric equations  
Sum and product formulas  
Heights and distances

**Week 4: Calculus and Miscellaneous Topics (8 hours)**

**Session 12 (2 hours): Limits and Continuity**

Understanding limits  
Continuity of functions

**Session 13 (2 hours): Differentiation**

Derivatives and rules  
Applications of derivatives

**Session 14 (2 hours): Integration**

Indefinite and definite integrals  
Applications of integrals

**Session 15 (2 hours): Miscellaneous Topics**

Probability and statistics  
Set theory  
Logical reasoning in mathematics

**Revision and Practice (2 hours)**

**Session 16 (2 hours): Mock Test and Revision**

Solve a mock test with problems from all topics  
Review and clarify doubts

The "Mathematics for Competitive Exam" add-on course, coordinated by Mr. A S Pathan, offers a focused and comprehensive approach to mathematical concepts crucial for competitive exams. Tailored for efficient exam preparation, it covers topics like algebra, geometry, and quantitative aptitude. Mr. A S Pathan, an experienced educator, ensures a structured curriculum, emphasizing problem-solving strategies and time management skills. This course equips students with the necessary tools to excel in competitive exams, enhancing their mathematical proficiency and confidence. With a goal-oriented approach, it is an invaluable resource for aspirants seeking success in various competitive examinations.



*Pathan*  
H.O.D  
Dept. Of Mathematics  
Kai.Rasika Mahavidyalaya

*Jawar*  
Principal  
Kai.Rasika Mahavidyalaya,  
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# Kai . Rasika Mahavidyalaya, Deoni

Tq. Deoni Dist.Latur

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)  
(Science, Commerce & Technology)

Establishment Year: June 2008  
Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 39  
Email:rasikadeoni399@gmail.com

Zoo.Dept. /2022-23/

Date: 20 / 01 /2023

## NOTICE

It is notified for all concerned that Department of Zoology, Kai. Rasika Mahavidyalaya Deoni is going to start a Add-On course on “**Understanding Beneficial and Harmful Insects**” very soon for II, IV and VI<sup>th</sup> Semester students of all Departments and Faculty for their benefits in the near future.

The last date of enrolment is: **27<sup>th</sup> January, 2023.**

Date of Starting: **1<sup>st</sup> February 2023**

End of the Course: **07 March 2023**

Duration of Course: **30 hrs**

Intake Capacity: 30

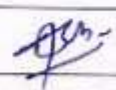
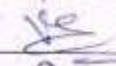




Course Coordinator: **Dr. Sudarshan S. Pedge.**

Head & Assistant Professor,  
Department of Zoology.

### **Note:**

1. The course is free of cost and the successful candidates will be issued certificates by the college which will help them in future.
2. Admission is on First Come First Serve Basis. Number of seats is limited.

  
**PRINCIPAL**  
Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

Sr. No	Name of the Lecturer	Class	Sign
1	Mr. B.P. Ankush	B.Sc. SY.	
2	Dr. V.S. Chaturge	B.Sc.F.Y.	
3	Dr. Temkale M.N.	B.com SY	
4	Dr. Somani U.V.	B.com FY	
5	Dr. Kurnale R.A.	B.Sc.F.Y.	
6	Bhusaware A.N.	B.com T.Y.	



Janseva Sevabhavi Pratishthan Bhopni's  
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Zoo.Dept. /2022-23/

Date:

**Add-On Course**

1	Name of the Department	:	Zoology
2	Title of Course	:	Understanding Beneficial and Harmful Insects
3	Dates or Duration (from---- -to)	:	01 February 2023 to 07 March 2023 (30 hrs)
4	Venue of the Event	:	Kai. Rasika Mahavidyalaya Deoni
5	Sponsor / Collaborations (if any)	:	NIL
6	Level of the event (encircle) (International/ National / State / University / (District / College / Department etc.)	:	College Level
7	Purpose of Aim, Objective and Outcome of the Course	:	<p><b>Aims and Objectives</b> The aim of this course is to provide participants with a comprehensive understanding of the identification, roles, and importance of beneficial and harmful insects in ecosystems, agriculture, and public health. Participants will learn how to recognize various insect species, understand their ecological roles, and explore practical strategies for promoting beneficial insects and managing harmful ones.</p> <p><b>Objectives</b> 1. To familiarize participants with the diversity of insect species and their ecological significance. 2. To enable participants to identify beneficial and harmful insects based on their characteristics and behaviour. 3. To explore the roles of beneficial insects in pollination, pest control, nutrient cycling, and soil health. 4. To examine the economic and environmental impacts of harmful insects on agriculture, forestry, and human infrastructure. 5. To discuss the importance of insect-borne diseases and the role of insect vectors in public health. 6. To introduce participants to integrated pest management (IPM) principles and strategies for sustainable insect management. 7. To empower participants to apply knowledge of beneficial and harmful insects in practical contexts, such as agriculture, gardening, and pest control.</p> <p><b>Learning Outcomes</b> By the end of the course, participants will be able to: 1. Identify common beneficial and harmful insects based on their physical characteristics and ecological roles. 2. Explain the importance of beneficial insects in ecosystem services such as pollination, natural pest control, and soil health. 3. Assess the economic and environmental impacts of harmful insect infestations on agricultural productivity and ecosystem</p>



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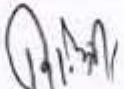
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Email: rasikadeoni399@gmail.com

			stability. 4. Discuss the transmission of insect-borne diseases and the importance of vector control measures for public health. 5. Apply integrated pest management principles to minimize reliance on chemical pesticides and promote sustainable insect management practices. 6. Implement practical strategies for promoting beneficial insects, such as providing habitat and reducing pesticide use, in agricultural and urban environments. 7. Evaluate the potential benefits of insect conservation efforts for biodiversity conservation, ecosystem resilience, and human well-being.
8	Beneficiaries/participants (Type /number, etc.)	:	30
9	Other major staff/student/Institution involved in the organization of the activity	:	Principal and Teaching Staff
10	Any other information/ comment /qualitative remarks	:	
11	Photographs (with captions) submitted (number)	:	5
12	Evidence produced (Certificate, letters, newspaper cuttings etc.)	:	Notice, photos, List of participants and certificates.
13	Name and Signature of Coordinator:	:	Dr. Sudarshan S. Pedge

  
Head of Department

  
IQAC- Coordinator  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
Principal  
Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



JSPB'S

**KAI. RASIKA MAHAVIDYALAYA DEONI**  
**DEPARTMENT OF ZOOLOGY**  
**ADD-ON COURSE**

**Title:- Understanding Beneficial and Harmful Insects**

**Course Duration:- 30 hrs**

**Intake:- 30**

**\*\*Aim:\*\***

The aim of this course is to provide participants with a comprehensive understanding of the identification, roles, and importance of beneficial and harmful insects in ecosystems, agriculture, and public health. Participants will learn how to recognize various insect species, understand their ecological roles, and explore practical strategies for promoting beneficial insects and managing harmful ones.

**\*\*Objectives:\*\***

1. To familiarize participants with the diversity of insect species and their ecological significance.
2. To enable participants to identify beneficial and harmful insects based on their characteristics and behaviour.
3. To explore the roles of beneficial insects in pollination, pest control, nutrient cycling, and soil health.
4. To examine the economic and environmental impacts of harmful insects on agriculture, forestry, and human infrastructure.
5. To discuss the importance of insect-borne diseases and the role of insect vectors in public health.
6. To introduce participants to integrated pest management (IPM) principles and strategies for sustainable insect management.
7. To empower participants to apply knowledge of beneficial and harmful insects in practical contexts, such as agriculture, gardening, and pest control.

**\*\*Course Outcomes:\*\***

By the end of the course, participants will be able to:

1. Identify common beneficial and harmful insects based on their physical characteristics and ecological roles.
2. Explain the importance of beneficial insects in ecosystem services such as pollination, natural pest control, and soil health.



3. Assess the economic and environmental impacts of harmful insect infestations on agricultural productivity and ecosystem stability.
4. Discuss the transmission of insect-borne diseases and the importance of vector control measures for public health.
5. Apply integrated pest management principles to minimize reliance on chemical pesticides and promote sustainable insect management practices.
6. Implement practical strategies for promoting beneficial insects, such as providing habitat and reducing pesticide use, in agricultural and urban environments.
7. Evaluate the potential benefits of insect conservation efforts for biodiversity conservation, ecosystem resilience, and human well-being.

  
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**KAI. RASIKA MAHAVIDYALAYA DEONI**  
**DEPARTMENT OF ZOOLOGY**  
**ADD-ON COURSE SYLLABUS**

**Title:- Understanding Beneficial and Harmful Insects**

**Course Duration: 30 hrs**

**Intake: 30**

**Introduction to Insects**

**(4 hrs)**

- Definition and classification of insects
- Importance of insects in ecosystems and human society
- Overview of insect diversity

**Beneficial Insects**

**(4 hrs)**

- Identification and characteristics of beneficial insects
- Roles of beneficial insects in pollination, pest control, and soil health
- Importance of pollinators for agriculture and food security

**Predatory Insects and Parasitoids**

**(4 hrs)**

- Identification and characteristics of predatory insects and parasitoids
- Role of predatory insects in controlling pest populations
- Importance of natural pest control in agriculture and ecosystems

**Decomposers and Soil Builders**

**(4 hrs)**

- Identification and characteristics of decomposer insects
- Role of decomposer insects in nutrient cycling and soil health
- Importance of decomposers for maintaining ecosystem balance

**Harmful Insects**

**(4 hrs)**

- Identification and characteristics of harmful insects
- Economic and environmental impacts of pest insect infestations
- Strategies for managing harmful insects in agriculture and urban environments

**Insect-Borne Diseases**

**(4 hrs)**

- Identification of insect vectors and their role in disease transmission



- Impact of insect-borne diseases on public health
- Importance of vector control measures for disease prevention

**Integrated Pest Management (IPM)**

**(2 hrs)**

- Principles of integrated pest management
- Strategies for promoting beneficial insects and natural pest control methods

**Review and Application**

**(4 hrs)**

- Review of key concepts covered in the course
- Discussion on practical applications of knowledge of beneficial and harmful insects
- Opportunities for further exploration and engagement in insect conservation efforts

By structuring the course with clear aims, objectives, and outcomes, participants will have a framework for understanding the importance of beneficial and harmful insects and applying this knowledge in real-world contexts.

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Zoo.Dept. /2022-23/

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**NOTICE**

It is notified for all concerned that Department of Zoology, Kai. Rasika Mahavidyalaya Deoni is going to start a Add-On course on “**Understanding Beneficial and Harmful Insects**” very soon for II, IV and VI<sup>th</sup> Semester students of all Departments and Faculty for their benefits in the near future.

**The last date of enrolment is: 27<sup>th</sup> January, 2023.**

**Date of Starting: 1<sup>st</sup> February 2023**

**End of the Course: 07 March 2023**

**Duration of Course: 30 hrs**

**Intake Capacity: 30**

**Course Coordinator: Dr. Sudarshan S. Pedge.**

Head & Assistant Professor,  
Department of Zoology.

**Note:**

1. The course is free of cost and the successful candidates will be issued certificates by the college which will help them in future.
2. Admission is on First Come First Serve Basis. Number of seats is limited.

  
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**KAI. RASIKA MAHAVIDYALAYA DEONI****DEPARTMENT OF ZOOLOGY****ADD-ON COURSE: 2022-23****List of Enrolment of Students****TITLE:- UNDERSTANDING BENEFICIAL AND HARMFUL INSECTS****Course Duration:- 30 hrs****Intake:- 30**

Sr. No	Name of Students	Class	Signature
1	Bhalke Prakash Mahadev	B-805y	
2	Konale Anil Datta	B.S.C.Sy	
3	Telange Chandrakant Govind	Bsc. Sy	
4	Davargave Omkar Shivaji	Bsc. Sy	
5	Biradar Sagar Hanmant	BSC. Sy	
6	Bansode Abhijeet Shivdas	B.Sc. S.Y	
7	Pallewad Shubham madhav	B.Sc.FY	
8	Shaikh Jafar shilar	B.Sc.F.Y.	
9	Shinde venkat balaji	B.Sc. fy	
10	Mose Pallavi Bhitm	B.Se. Fy	
11	Chavane Umadevi Laxman	B.Sc.Fy	
12	Dasare shridevi shivaji	B.Sc F.Y	
13	Ghode Monika sambhaji	B.Sc.Fy	
14	Hulsure Pallavi Gopal	B.Sc.S.Y	
15	Chavane maheshvaji U.	B.Sc.S.Y	
16	Gaekwad Sonali S.	B.Sc.S.Y	
17	Biradar Sneha Sanjay	B.Sc.SY.	
18	Bagwale Vaishnavi Ankush	B.Sc.S.Y.	
19	Chavan Varesha Ankush	B.Sc.SY	
20	Patil Purnima Anil	B.Sc. fy	
21	Bandgar Jayshree Devidas	B.Sc. Fy	
22	Bandgar Surekha Ganpat	B.Sc.Fy	
23	Biradar Sureshwar shahaji	B.Sc. Fy	
24	Chinchole Shivanand Sinyokant	B.Sc. Fy	
25	Bobade Krishna Dhondiba	BSC F.Y	

Department of Zoology  
Add on Course Enrolment List

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26	Balure Rahul Keshavnagar	Rahul	B.Sc FY
27	Ambulge Sohail Ismail	Sohail	B.Sc SY
28	Hulbure Shital Tamaji	Shital	B.Sc SY
29	Gudda Vaishnavi Umakant	Vaishnavi	B.Sc SY
30	Bhamde Ashwini Tukaram	Ashwini	B.Sc SY

Course Co-ordinator

IQAC

IQAC-COORDINATOR  
Kal Rasika Mahavidyalaya, Deoni  
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PRINCIPAL

Principal  
Kal Rasika Mahavidyalaya, Deoni  
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(Science, Commerce & Technology)

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998


College Code – 399

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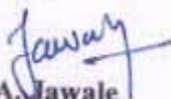
Date: - 20/12 /2021

## Notice

All the students of CBZ Group are informed that a certificate course will be conducted for the students of our college on the subject of Certificate course in ethnobotany through the department of Botany. This certificate course will be conducted From 01/01/2022 To 31/01/2022. All the students should note that the certificate will be given to the students who pass the examination after that. However, interested students should send their names to Dr. V. S. Chatage Department of Botany.

  
Dr. V. S. Chatage  
(Head of Department)



  
Dr. C. A. Jawale  
(Principal )  
PRINCIPAL  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

# CCEB 101: Study of Medicinal plant

## Course Outcome,

- Demonstrate a comprehensive understanding of the principles and concepts of ethnobotany.
- Analyse and interpret the cultural, ecological, and social dimensions of human-plant interactions.
- Apply ethnobotanical methods and approaches to research and real-world contexts.
- Evaluate the ethical implications and responsibilities of ethnobotanical inquiry.

Topics	Lectures: -30
<b>1. Introduction to ethnobotany:</b>	
1.1 Definition, scope & importance	
1.2 Man and plant Relation	
1.3 Resemblance in between Ethnobotany & Economic botany	08
1.4 Medicinal Plant, History	
<b>2 4. Ethno botany of some plant (with their Botanical name General</b>	
<b>Character, Distribution Phytochemistry &amp; plant part use &amp; uses</b>	
4.1 Azadirachta indica	
4.2 Datura metal	
4.3 Ocimum sanctum (Tulsi)	
4.4 Curcuma longa	
4.5 Garlic	
4.6 Amla	14
4.7 Aloe vera	
4.8 Lemon	
<b>: Ethnobotany and Ecology</b>	
3.1 Traditional Ecological Knowledge (TEK)	
3.2 Cultural ecology and human-plant interactions	
3.3 Ethnobotany in conservation and biodiversity management	08
3.4 Sustainable use of plant resources	

  
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**PRINCIPAL**  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

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**References:**

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1. Medicinal plant cultivation and their uses by H Panda
2. Cultivation and Utilisation of Medicinal and Aromatic Crop by C Atal & V Kappor
3. Production Technology of Medicinal and Aromatic Crop by A.A. Farooqi M. M Khan
4. Insect and Mites infesting Medicinal plant in india by S. K. Gupta Bishen Singh Mehendrapal singh Dehradun
5. Medicinal Chemistry: A Molecular & Biochemical Approach by Mogarvey and Donald
6. S.K. Jain, 1990. Contributions of Indian Ethnobotany
7. Rajiv K. Sinha – Ethnobotany The Renaissance of Traditional Herbal Medicine
8. D.C. Pal S.K. Jain 1998. Tribal Medicine.

*Amulya*  
**IQAC COORDINATOR**  
Kal.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



*Jaway*  
**PRINCIPAL**  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

## CCEB-102: Lab Course

Sr. No.	Lab course
1-3	Study of Medicinal Plant using local flora (any 15)
4	Herbarium and its techniques
5	To study of medicinal plant and its plant part used as medicine
6	Collection of medicinal plant from local flora (any 05)
7	Ethnic Tribes and Medicinal Plants
8	Field Visit

  
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Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



  
**PRINCIPAL**  
Kai.Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist, Latur

**Kai. Rasika Mahavidyalaya Deoni,  
Department of Physics**

**Notice**

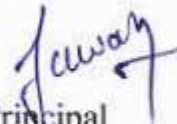
All the students of B.Sc. herewith inform that the Department of Physics is going organized Add-on Course on "Introduction to Electronic Devices". Interested students may enroll for this Add-on course. For more detail contact Dr. R. A. Kunale.



Head Department of Physics

**HOD**

**Physics Department**



Principal

**Principal**

**Kai Rasika Mahavidyalaya  
Deoni Tq. Deoni Dist. Latur**

**Janseva Sevabhavi Prathisthan Bhopni's**  
**Kai. Rasika Mahavidyalaya Deoni,**  
**Department of Physics**  
**Add on course**

**Syllabus**

**Add on Course Title: Introduction to Electronic Devices**

**Unit 1 : Basics in electronics**

**6 hour**

- Overview of electronic devices
- Basic concepts: voltage, current, resistance, ohm law
- Resistor colour coding

**Unit 2: Semiconductor Diodes**

**9 Hour**

- Introduction to Semiconductor
- Types of semiconductor
- PN junctions
- Forward and reverse bias
- LED, Zener diode

**Unit 3: Bipolar Junction Transistors (BJTs)**

**9Hour**

- Introduction to BJTs
- BJT operation modes: cutoff, active, saturation
- BJT configurations: common emitter, common base, common collector
- Difference between CE, CB and CC

**Unit 4: Field Effect Transistors (FETs)**

**6 hour**

- Introduction to FETs
- Types of FETs: MOSFETs, JFETs
- FET operation and characteristics
- FET applications and circuits

  
**HOD**

**Physics Department**

  
**Principal**  
Kai. Rasika Mahavidyalaya  
Deoni Tq. Deoni Dist Latur



## Course outcomes:

The objective and outcome of the "**Introduction to Electronic Devices**" course is to provide students with a comprehensive understanding of the fundamental principles and components of electronic devices.

1. Understand the basic concepts of electronics, including voltage, current, and resistance.
2. Identify and interpret resistor color codes.
3. Describe the structure and operation of semiconductor diodes, including PN junctions, forward and reverse bias, and their various types such as LED and Zener diode.
4. Explain the principles behind Bipolar Junction Transistors (BJTs) and their different operating modes and configurations.
5. Differentiate between common emitter, common base, and common collector configurations of BJTs.
6. Understand the principles of Field Effect Transistors (FETs), including MOSFETs and JFETs, their operation, characteristics, and applications in electronic circuits.
7. Apply the knowledge gained to analyze basic electronic circuits involving diodes, BJTs, and FETs.

  
**HOD**  
**Physics Department**

  
**Principal**  
Kai.Rasika Mahavidyalaya  
Deoni Tq.Deoni Dist.Latur

Kai. Rasika Mahavidyalaya, Deoni

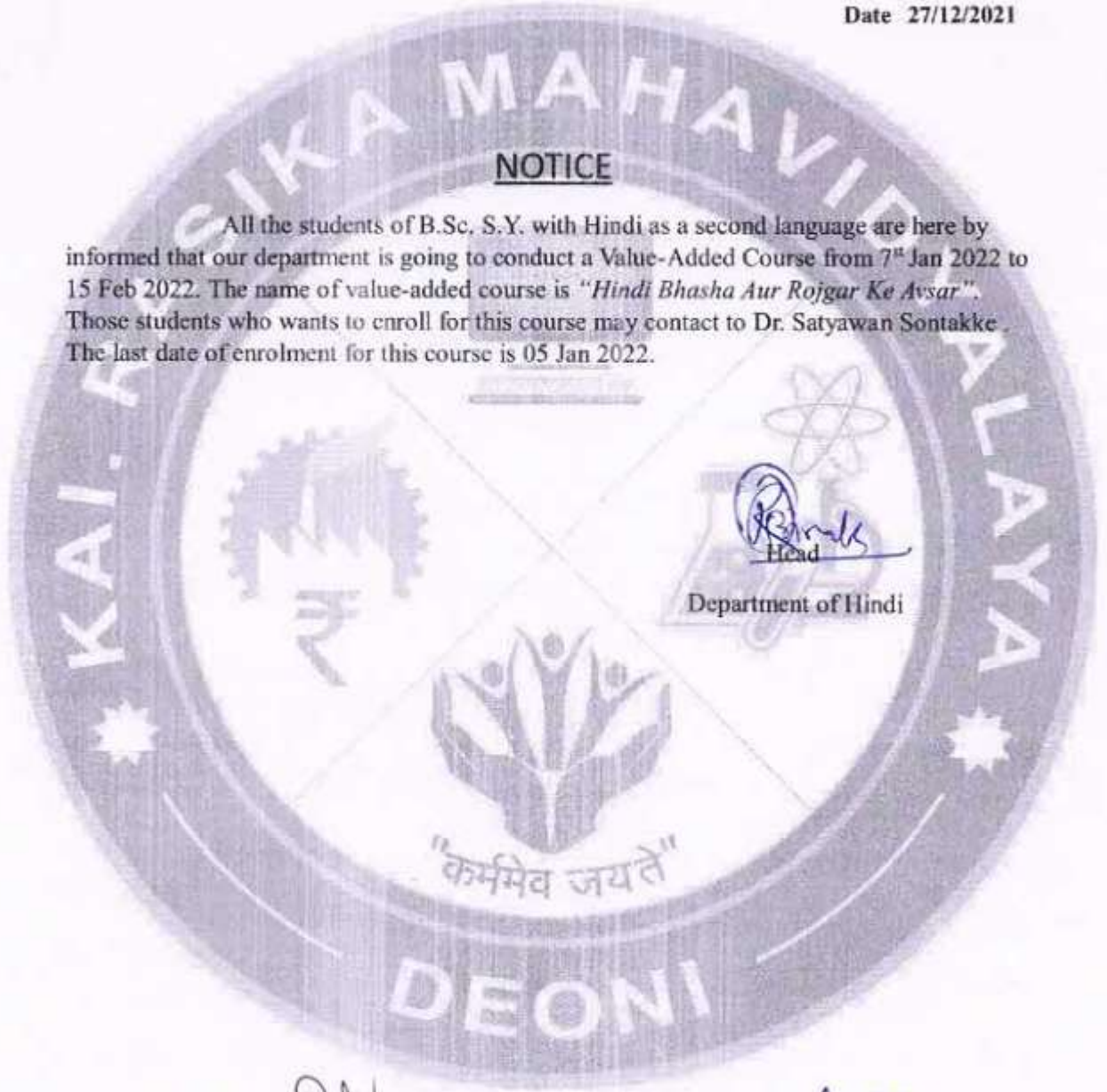
Department of Hindi

VALUE ADDED COURSE NOTICE

Date 27/12/2021

**NOTICE**

All the students of B.Sc. S.Y. with Hindi as a second language are here by informed that our department is going to conduct a Value-Added Course from 7<sup>th</sup> Jan 2022 to 15 Feb 2022. The name of value-added course is "*Hindi Bhasha Aur Rojgar Ke Avsar*". Those students who wants to enroll for this course may contact to Dr. Satyawan Sontakke. The last date of enrolment for this course is 05 Jan 2022.



  
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Principal  
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Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**

Tq. Deoni Dist.Latur

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)

(Science, Commerce & Technology)

www.kairasikamahavidyalaya.com

NAAC Accredited 'B' Grade (UGC 2f & 12B)

College Code - 399

Email:rasikadeoni399@gmail.com

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998

### Value Added Report

"हिंदी भाषा और रोजगार के अवसर"

महाविद्यालय में विभाग की ओर से छात्रों के उन्नति के लिए, विभिन्न कोर्स का आयोजन किया जाता है ,हिंदी विभाग की ओर से बीएससी द्वितीय वर्ष के छात्रों के लिए हिंदी के प्रति रुचि बढ़े का ज्ञान में वृद्धि हो इसलिए "हिंदी भाषा और रोजगार के अवसर" इस विषय पर मूल्यवर्धित कोर्स का आयोजन किया गया है भाषा का ज्ञान प्राप्त हो हिंदी भाषा की व्याप्ति पत्रों को समझ में आए हिंदी भाषा में आर्थिक आय के साधनों का परिचय छात्रों को मिले और उनके ज्ञान में वृद्धि हो यही विभाग का और महाविद्यालय का प्रमुख देश रहा है।

"हिंदी भाषा और रोजगार के अवसर" इस कोर्स के अंत में 40 अंक की परीक्षा ली गयी। प्रतिभागी छात्रों को प्रमाण पत्र देखकर सम्मानित किया गया।

  
संयोजक

  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
प्रधानाचार्य  
Principal  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**

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NAAC Accredited 'B' Grade (UGC 2f & 12B)

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 399

Email:rasikadeoni399@gmail.com

Department of Hindi Value-Added Course Syllabus

माह का सिलेबस: हिंदी भाषा और रोजगार के अवसर

सप्ताह 1: हिंदी भाषा का महत्व

हिंदी भाषा के महत्व की व्याख्या

हिंदी का इतिहास और विकास

हिंदी की प्रमुख भाषा विकास के कारण और प्रभाव

सप्ताह 2: हिंदी भाषा का व्याकरण

हिंदी भाषा में वर्ण, वर्णमाला और उच्चारण

संज्ञा, सर्वनाम, क्रिया, विशेषण और क्रिया-विशेषण की प्रमुख शैलियों का अध्ययन

वाक्य रचना और वाक्य के प्रकार

सप्ताह 3: हिंदी साहित्य का अध्ययन

हिंदी कविता, कहानी, नाटक, उपन्यास और गद्यांशों का अध्ययन

महत्वपूर्ण हिंदी कवि, कहानीकार, नाटककार और लेखकों की जीवनी

हिंदी साहित्य के प्रमुख संदर्भ और समय

सप्ताह 4: हिंदी भाषा में रोजगार के अवसर

हिंदी भाषा में लेखन कौशल का महत्व

हिंदी माध्यम में संचार के प्रमुख उपाय

हिंदी में कैरियर ऑप्शन: पत्रकारिता, लेखन, विज्ञान, शिक्षण, आर्थिक, सामाजिक क्षेत्रों में रोजगार के अवसर

समापन:

हिंदी भाषा और रोजगार के अवसर के संबंध में आत्मविश्वास के साथ समापन करें, और संबंधित क्षेत्रों में सफलता की दिशा में कदम बढ़ाएं।

  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
Principal  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

# Kai. Rasika Mahavidyalaya, Deoni

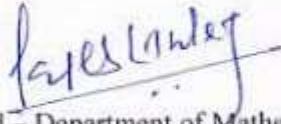
Department of Mathematics

Date: 05.02.2022

## Notice

All the students of B.Sc. and B.Com., herewith informed that Department of Mathematics is going to organized Add-on Course on "Logical Reasoning and Aptitude with Mathematics" for the duration of 30 days from 15.02.2022 to 24.03.2022 offline mode.

Interested students may enroll for this Add-on course last date of enrollment is 14.02.2022, for more details Contact. Dr. Y M Muley.



Head - Department of Mathematics

**H.O.D**

**Dept. Of Mathematics  
Kai.Rasika Mahavidyalaya**



Principal,

**Principal**

**Kai.Rasika Mahavidyalaya,  
De. Oni Dist. De. Oni**

Course Title: Logical Reasoning and Aptitude with Mathematics

Course Duration: 30 hours

Instructor: [Your Name]

**Program Outcomes (POs):**

**PO1: Analytical Thinking and Problem Solving**

Develop the ability to analyze complex problems using logical reasoning.

Apply mathematical concepts to arrive at practical solutions.

**PO2: Quantitative and Qualitative Aptitude**

Demonstrate proficiency in quantitative aptitude.

Apply aptitude skills in various scenarios, including time and work problems and data interpretation.

**PO3: Logical and Critical Thinking**

Apply deductive and inductive reasoning in analytical problem-solving.

Develop critical thinking skills to evaluate and make informed decisions.

**PO4: Effective Communication of Solutions**

Communicate mathematical solutions and logical reasoning effectively.

Present problem-solving approaches coherently.

**PO5: Lifelong Learning and Adaptability**

Cultivate a curiosity for continuous learning in logical reasoning and mathematics.

Adapt logical and mathematical skills to various contexts.

**Course Objectives (COs):**

**CO1: Develop Logical Thinking Skills**

Understand and apply different forms of logical reasoning.

Enhance deductive and inductive reasoning abilities.

**CO2: Build a Strong Mathematical Foundation**

Acquire a solid understanding of number systems, algebra, geometry, probability, and statistics.

Apply mathematical concepts to solve real-world problems.

**CO3: Master Aptitude Skills**

Develop quantitative aptitude basics.

Solve time and work problems, interpret data, and recognize series and sequences.

**CO4: Apply Logical Reasoning to Problem Solving**

Apply logical reasoning techniques to solve mathematical problems.

Develop critical thinking skills for effective decision-making.

**Course Outline and Assessment aligned with COs and POs:**

**Week 1-2: Introduction to Logical Reasoning (CO1, PO1)**

Assess: Understanding of basic logical reasoning concepts through quizzes.

Evaluate: Ability to apply deductive and inductive reasoning in problem-solving.

**Week 3-4: Mathematical Foundations (CO2, PO2)**

Assess: Mastery of number systems, algebra, geometry, and statistics through assignments.

Evaluate: Application of mathematical concepts in practical problem-solving scenarios.

**Week 5-6: Aptitude and Problem Solving (CO3, PO3)**

Assess: Aptitude skills through quizzes on time and work problems, data interpretation, and logical series.

Evaluate: Application of critical thinking in solving aptitude-related problems.

**Week 7-8: Advanced Logical Reasoning (CO4, PO4)**

Assess: Ability to solve complex analytical reasoning problems through mid-term assessment.

Evaluate: Effectiveness in communicating logical reasoning and critical thinking approaches.

**Week 9: Review and Q&A Session (COs & POs)**

Assess: Overall understanding of the course through a final assessment.

Evaluate: Lifelong learning skills and adaptability demonstrated during the course.

**Syllabus:**

**Week 1-2: Introduction to Logical Reasoning (6 hours)**

**Session 1 (2 hours): Introduction to Logical Reasoning**

Overview of logical reasoning

Importance of logical reasoning in problem-solving

Basic concepts and terms

**Session 2 (2 hours): Types of Logical Reasoning**

Deductive and inductive reasoning

Analytical reasoning

Critical reasoning

**Session 3 (2 hours): Logical Puzzles and Games**

Introduction to puzzles

Solving puzzles to enhance logical thinking

Group activities and discussions

Week 3-4: Mathematical Foundations (8 hours)

Session 4 (2 hours): Number Systems and Operations

Basics of number systems

Operations on integers, fractions, and decimals

Session 5 (2 hours): Algebraic Expressions and Equations

Understanding algebraic expressions

Solving equations and inequalities

Session 6 (2 hours): Geometry and Mensuration

Geometric shapes and properties

Perimeter, area, and volume calculations

Session 7 (2 hours): Basic Probability and Statistics

Introduction to probability

Basic statistical concepts

Week 5-6: Aptitude and Problem Solving (8 hours)

Session 8 (2 hours): Quantitative Aptitude Basics

Fundamental concepts of quantitative aptitude

Importance in competitive exams

Session 9 (2 hours): Time and Work Problems

Solving problems related to time and work

Application of logical reasoning in time-based problems

Session 10 (2 hours): Data Interpretation

Interpreting graphs and charts

Analyzing data for problem-solving

Session 11 (2 hours): Logical Series and Sequences

Recognizing and solving series

Application in mathematical problem-solving

Week 7-8: Advanced Logical Reasoning (8 hours)

Session 12 (2 hours): Advanced Analytical Reasoning

Complex analytical reasoning problems

Strategies for efficient solving

Session 13 (2 hours): Critical Thinking and Decision Making

Enhancing critical thinking skills

Making informed decisions using logical reasoning

Session 14 (2 hours): Syllogisms and Logical Connectives



Understanding syllogisms

Logical connectives and their applications

Session 15 (2 hours): Mock Tests and Problem-solving Strategies

Practice tests simulating real exam conditions

Strategies for time management and effective problem-solving

Week 9: Review and Q&A Session (2 hours)

Session 16 (2 hours): Course Review and Q&A

Recap of key concepts

Addressing doubts and queries

Assessment:

Weekly assignments and quizzes

Mid-term assessment (after Week 4)

Final assessment (Week 9)

Note: Adjustments to the syllabus can be made based on the pace of the class and the specific needs of the participants. Encourage active participation, group discussions, and real-world application of concepts throughout the course.



H.O.D

Dept. Of Mathematics  
Kai.Rasika Mahavidyalaya



Principal

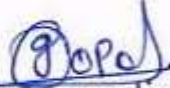
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DEONI Dist.Latur

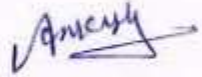




# Notice

Date:31/12/2020

All B.com/B.sc students who enrolled in certificate course (E-Payment) informed that their classes are going to start on 01/01/2021 on 3:00 pm so all students presenty will be essential for this course.

  
Principal  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

  
Course co-ordinator  
Dept of Commerce

- |                     |               |   |
|---------------------|---------------|---|
| 1. Bhusaware A.N.   | B.com F.Y.    |  |
| 2. Dr. Vijay More   | - B. Se. T.Y. |  |
| 3. Dr. Dangele S.S. | B.com - S.Y.  |   |
| 4. Dr. Muley Y.M.   | B.Sc. S.Y.    |  |
| 5. Dr. Chitoge V.S. | B.Sc. F.Y.    |  |
| 6. Dr. Somani U.V.  | B.com T.Y.    |  |

# **Kai Rasika Mahavidhyalay, Deoni**

## **Certificate Course**

### **Course Title: E-Payment System**

#### **Course Overview:**

The course on E-payment Systems provides an in-depth exploration of the various electronic payment methods used in today's digital economy. It covers the fundamentals of payment systems, including credit and debit cards, online payment gateways, mobile payments, and emerging technologies. Students will gain a comprehensive understanding of the infrastructure, processes, security measures, and regulatory frameworks that govern electronic payments.

#### **Objectives:**

- 1) Understand the evolution and significance of electronic payment systems in modern commerce.
- 2) Familiarize students with the different types of electronic payment methods and their functionalities.
- 3) Explore the roles and responsibilities of stakeholders involved in electronic payment transactions.

#### **Outcomes:**

- 1) **Knowledge Acquisition:** Students will acquire a comprehensive understanding of various electronic payment methods, including their features, functionalities, and underlying technologies.
- 2) **Critical Thinking:** Students will develop critical thinking skills by analyzing the advantages, disadvantages, and security concerns associated with electronic payment systems.
- 3)
- 4) **Problem-solving Skills:** Students will gain practical problem-solving skills by identifying and addressing challenges

related to the implementation and management of e-payment solutions.

No. of Lectures	30
End of course Exam (Theory)	25 marks
Practical	25 marks

## **Course Contents :**

### **Unit1: Introduction to E-Payment Systems**

Overview of electronic payment systems  
Historical development and evolution  
Advantages and disadvantages of e-payment systems  
Classification of e-payment systems (credit cards, debit cards, mobile payments, etc.)  
Regulatory framework and security concerns

### **Unit2: Fundamentals of Payment Cards**

Understanding credit cards, debit cards, and prepaid cards  
Issuing and acquiring banks  
Payment card networks (Visa, Mastercard, American Express, etc.)  
Authorization and settlement process  
Card security features (CVV, EMV, tokenization, etc.)

### **Unit3: Online Payment Methods**

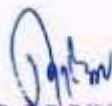
Introduction to online payment methods (e-wallets, digital currencies, etc.)  
Payment gateways and processors  
Consumer authentication methods (3D Secure, biometrics, etc.)  
Regulatory compliance and risk management in online payments

#### **Unit 4: Mobile Payments and Emerging Technologies**

Overview of mobile payment technologies (NFC, QR codes, mobile wallets, etc.)

Mobile payment ecosystem stakeholders (mobile network operators, technology providers, etc.)

Mobile banking and peer-to-peer payments.



**IQAC-COORDINATOR**  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



**Principal**  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



JSPB's  
**Kai. Rasika Mahavidyalaya, Deoni, Dist. Latur**  
Department of Chemistry  
Add-on Course  
On  
"Chemistry in Everyday Life"

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Date: 23/07/2019

Notice

It is hereby informed that all the students of B.Sc. T.Y. Chemistry, that *Add-on Course on "Chemistry in Everyday Life"* will started by the Department of Chemistry, Kai. Rasika Mahavidyalaya, Deoni, from 01-August-2019 to 09- September -2019. Interested students therefore may note their name to Mr. B. P. Ankush.

Mr. B. P. Ankush  
Course Coordinator

Head of the Dept.

**Head**  
Dept. of Chemistry  
K.R.M Deoni, Tq Deoni Dist, Latur

Principal  
Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

1. Dv. V.S. More - B.Sc. T.Y. -



# Janseva Sevabhavi Pratishthan Bhopni's Kai . Rasika Mahavidyalaya, Deoni

Tq. Deoni Dist.Latur

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)  
(Science, Commerce & Technology)

Establishment Year: June 2008  
Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 399  
Email:rasikadeoni399@gmail.com

## Name of Activity - Add-on Course on "Chemistry in Everyday Life"

1	<b>Name of the Department</b>	:	Chemistry
2	<b>Complete name / title of the Activity</b>	:	Add-on Course on "Chemistry in Everyday Life"
3	<b>Dates or Duration (from-----to)</b>	:	From 01-August-2019 to 09- September -2019
4	<b>Venue of the Event</b>	:	Kai. Rasika Mahavidyalaya, Deoni
5	<b>Sponsor / Collaborations (if any)</b>	:	-
6	<b>Level of the event</b> (encircle) (International/ National / State / University / (District / College / Department etc.)	:	Department
7	<b>Purpose/aim/objective and outcome of the event</b>	:	<p><b>Program Outcomes (POs):</b></p> <ol style="list-style-type: none"> <li>1. Understand the basic principles of chemistry and its applications in daily life.</li> <li>2. Analyze the impact of chemical substances on health, environment, and society.</li> <li>3. Develop critical thinking skills to evaluate the use of chemical products and their effects.</li> <li>4. Apply chemical knowledge to make informed decisions related to personal and environmental well-being.</li> </ol> <p><b>Course Outcomes (COs):</b></p> <ol style="list-style-type: none"> <li>1. Identify common household products and their chemical compositions.</li> <li>2. Explain the role of chemistry in food processing, preservation, and nutrition.</li> <li>3. Evaluate the impact of pharmaceuticals and cosmetics on human health and the environment.</li> <li>4. Analyze the chemistry behind environmental issues such as pollution and waste management.</li> <li>5. Discuss the ethical considerations related to the production and use of chemical products.</li> <li>6. Apply chemical principles to solve everyday problems and make sustainable choices.</li> </ol>



Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**


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Establishment Year: June 2008  
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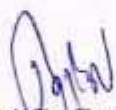
College Code – 399  
Email:rasikadeoni399@gmail.com

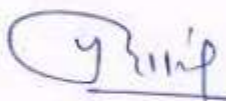
**Name of Activity - Add-on Course on "Chemistry in Everyday Life"**

8	Beneficiaries/participants (Type /number, etc.)	:	30 Students
9	Other major staff/student/Institution involved in the organization of the activity	:	-
10	Any other information/ comment /qualitative remarks	:	-
11	Photographs (with captions) submitted (number)	:	-
12	Evidence produced (Certificate, letters, newspaper cuttings etc.)	:	Notice, Syllabus, Enrollment List, Attendance, Evaluation, Certificate.
13	Name and Signature of Coordinator:	:	Mr. B. P. Ankush 

  
Head of Department  
Head

Dept. of Chemistry  
K.R.M Deoni, Tq Deoni Dist, Latur

  
IQAC- Coordinator  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
Principal  
Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur





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**Kai. Rasika Mahavidyalaya, Deoni, Dist. Latur**

**Department of Chemistry**

*Add-on Course on "Chemistry in Everyday Life"*

**SYLLABUS**

---

**Program Outcomes (POs):**

1. Understand the basic principles of chemistry and its applications in daily life.
2. Analyze the impact of chemical substances on health, environment, and society.
3. Develop critical thinking skills to evaluate the use of chemical products and their effects.
4. Apply chemical knowledge to make informed decisions related to personal and environmental well-being.

**Course Outcomes (COs):**

1. Identify common household products and their chemical compositions.
2. Explain the role of chemistry in food processing, preservation, and nutrition.
3. Evaluate the impact of pharmaceuticals and cosmetics on human health and the environment.
4. Analyze the chemistry behind environmental issues such as pollution and waste management.
5. Discuss the ethical considerations related to the production and use of chemical products.
6. Apply chemical principles to solve everyday problems and make sustainable choices.

*Syllabus for an add-on course on Chemistry in Everyday Life designed as follows for span 30 hours:*

**1: Introduction to Chemistry in Everyday Life**

Session 1: Overview of the course objectives and structure.

Session 2: Importance of chemistry in daily life.

Session 3: Basics of chemical elements and compounds relevant to everyday life.

**2-3: Chemistry of Food and Nutrition**

Session 4: Chemical composition of food.

Session 5: Role of carbohydrates in the body.

Session 6: Importance of proteins and amino acids.

Session 7: Lipids and their functions.

Session 8: Vitamins and minerals in nutrition.

#### **4-5: Chemistry of Personal Care Products**

Session 9: Introduction to personal care products and their chemical composition.

Session 10: Chemistry of soaps and detergents.

Session 11: Understanding cosmetics and their chemical ingredients.

Session 12: Chemistry of hair care products.

Session 13: Chemistry of skincare products.

#### **6-7: Chemistry of Medicines and Drugs**

Session 14: Introduction to pharmaceuticals and drug delivery systems.

Session 15: Basics of pharmacology and drug action mechanisms.

Session 16: Common over-the-counter drugs and their chemistry.

Session 17: Understanding antibiotics and their modes of action.

Session 18: Chemistry of pain relievers and anti-inflammatory drugs.

#### **8: Chemistry of Household Products**

Session 19: Chemicals used in household cleaning products.

Session 20: Environmental impacts of household chemicals.

Session 21: Green alternatives to traditional household products.

#### **9: Chemistry in Agriculture and Environment**

Session 22: Chemical fertilizers and pesticides.

Session 23: Environmental impacts of agricultural chemicals.

Session 24: Sustainable farming practices and organic agriculture.

#### **10: Miscellaneous Applications of Chemistry in Daily Life**

Session 25: Chemistry of batteries and electricity.

Session 26: Chemical reactions in cooking and food preparation.

Session 27: Chemistry of common household materials (plastics, glass, etc.).

Session 28: Chemical processes in water treatment and purification.


#### **11: Ethical and Societal Implications**

Session 29: Ethical considerations in the use of chemicals in daily life.

Session 30: Discussion on societal impacts and responsibilities regarding chemical usage.

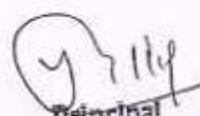
#### **Assessment and Evaluation**

Final Multiple Choice Question examination on a chosen chemistry in everyday life will be conducted.

  
ASM -  
course  
coordinator

  
Head

Dept. of Chemistry  
K.R.M Deoni, Tq Deoni Dist, Latur

  
Principal  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



## Notice

Date:24/08/2019

All students informed that your Certificate Course examination is held on 27/08/2019 at 2:00 PM to 3:00PM.

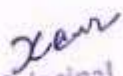


Course co-ordinator  
Dept of Commerce

- 1) Dr. Geopal V. Somani
- 2) Tenkale M.N.
- 3) Dr. P.R. More
- 4) Dr. Bhande P.S.
- 5) Bhusawale A.N.



**IQAC-COORDINATOR**  
Kal.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur



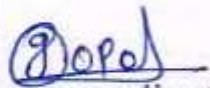
**Principal**  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

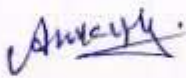

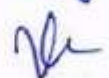
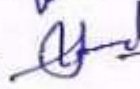

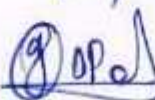
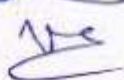
# Notice

Date:31/12/2019

All B.com/B.sc students who enrolled in certificate course (Retail-Business Management) informed that their classes are going to start on 01/01/2020 on 2:30 pm so all students presenty will be essential for this course.

  
Principal  
K.M. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

  
Course co-ordinator  
Dept of Commerce

- 1) Bhusawale A.N.  B.com S.Y
- 2) Dr. Deogale S.S.  B.com. T.Y.
3. Dr. V.S. More -  B.Sc. T.Y.
- 4) Dr. S.S. Pedge -  B.Sc. S.Y
- 5) Dr. Y.M. Muley -  B.Sc. F.Y.
- 6) Dr. V.N. Somani  B.com F.Y.
- 7) Dr. V.S. Chetange -  B.Sc. T.Y.

# **Kai Rasika Mahavidyalaya, Deoni**

## **Certificate Course**

**Course Title: Retail Business Management**

### **1. Course Overview:\*\***

This course is designed to provide participants with a comprehensive understanding of retail business management principles and practices. Through a combination of theoretical concepts, practical examples, and case studies, participants will gain insight into the dynamic retail industry and develop essential skills for effectively managing retail businesses.

### **2. Course Objectives:**

- 1) Understand the Retail Industry:\*\* Gain insights into the structure, dynamics, and key trends shaping the retail industry**
- 2) \*\*Manage Human Resources:\*\* Understand the importance of recruiting, training, and motivating retail staff, and learn strategies for effective HR management.**
- 3) \*\*Explore Future Trends:\*\* Stay abreast of emerging technologies, sustainability practices, and global trends shaping the future of retail.**
- 4) \*\*Apply Knowledge in Real-world Scenarios:\*\* Apply learned concepts and skills to analyze retail business cases and develop strategic solutions.**
- 5) \*\*Enhance Problem-solving and Decision-making Skills:\*\***

### **3. Course Outcomes:\*\***

- 1) Upon completion of the course, participants will:**
  - Have a comprehensive understanding of retail business management principles and practices.**
  - 2)- Be able to develop and implement effective retail strategies to drive business growth and success.**
  - 3)- Possess the skills to manage store operations efficiently, ensuring optimal performance and customer satisfaction.**

No. of Lectures	30
End of course Exam	50 marks

**Course Contents :**

**Unit 1: Introduction to Retail Management\*\***

- Overview of Retail Management\*\*
- Definition of retail management
- Importance of retailing in the economy
- Evolution of retailing

**Unit 2: Types of Retailers\*\***

- Classification of retailers (e.g., by ownership, product assortment, size)
- Examples of various types of retailers (e.g., department stores, supermarkets, specialty stores)

**Unit 3: Retailing Environment\*\***

- Understanding the retailing environment
- Factors influencing retailing (e.g., economic, socio-cultural, technological)

**Unit 4: Retailing Strategies\*\***

- Introduction to retailing strategies
- Competitive strategies in retailing (e.g., pricing, product assortment, promotional strategies)

**Unit 5: Retail Marketing\*\***

**Retail Market Segmentation\*\***

- Understanding market segmentation in retailing
- Targeting specific consumer segments

  
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Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

  
**Principal**  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



Kai. Rasika Mahavidyalaya, Deoni

Department of Hindi

VALUE ADDED COURSE NOTICE

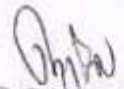
Date 24/07/2019

**NOTICE**

All the students of B.Sc. F.Y. with Hindi as a second language are here by informed that our department is going to conduct a Value-Added Course from 1<sup>st</sup> Aug 2019 to 7<sup>th</sup> Sept 2019. The name of value-added course is "*Hindi Bhasha Aur Boliyon Ka Parichay*". Those students who wants to enroll for this course may contact to Ranjana Biradar . The last date of enrolment for this course is 30 July 2019.

  
Head

Department of Hindi

  
IQAC-COORDINATOR  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

  
Principi  
i. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**

Tq. Deoni Dist.Latur

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.)

(Science, Commerce & Technology)

www.kairasikamahavidyalaya.com

NAAC Accredited 'B' Grade (UGC 2f & 12B)

Establishment Year: June 2008

Reg.No. MAHA/8734 / Date- 07-11-1998

College Code - 399

Email:rasikadeoni399@gmail.com

### Value Added Report

हिंदी की बोली भाषा और उनका परिचय

महाविद्यालय में हिंदी विभाग छात्रों की उन्नति और छात्रों में हिंदी के प्रति रुचि बढ़े इसलिए विभिन्न समारोह का आयोजन करता है इसीलिए छात्रों में हिंदी बोलने की जो कमिया है उसे काम करने के लिए विभाग की ओर से हिंदी की बोली भाषा और उनका परिचय इस विषय पर मूल्यवर्धित एक माह का कोर्स रखा गया है यह कोर्स रखने के पीछे विभाग की यही मंशा है कि हमारा महाविद्यालय कर्नाटक और महाराष्ट्र के सीमा पर स्थित है और छात्रों को हिंदी बोलने में जो कमी आती है, वह कमियां इस कोर्स के माध्यम से कम होगी और यह कोर्स छात्रों के लिए एक मूल्य वर्धित कोर्स साबित होगा।

इस कोर्स के लिए छात्रों को विभिन्न विद्युत जनों सुनने का अवसर प्राप्त होगा यह मूल्यवर्धित कोर्स में 30 अंक की अंत में परीक्षा ली जाएगी और उन्हें प्रमाण पत्र देकर सम्मानित किया जाएगा।

  
संयोजक

  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

  
प्रधानाचार्य  
Principal  
i.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur





Janseva Sevabhavi Pratishthan Bhopni's  
**Kai . Rasika Mahavidyalaya, Deoni**

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(Science, Commerce & Technology)

www.kairasikamahavidyalaya.com

NAAC Accredited 'B' Grade (UGC 2f & 12B)

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Reg.No. MAHA/8734 / Date- 07-11-1998

College Code – 399

Email:rasikadeoni399@gmail.com

Department of Hindi Value-Added Course Syllabus

सिलेबस: हिंदी की बोली भाषा और उनका परिचय

सप्ताह 1: हिंदी की बोली भाषा का महत्व

हिंदी की बोली भाषा के महत्व का अध्ययन

हिंदी की बोली भाषा के उपयोग के आधार पर अवसरों का विश्लेषण

हिंदी की बोली भाषा के लाभ और संचार में उपयोग

सप्ताह 2: हिंदी की बोली भाषा की विशेषताएँ

हिंदी की बोली भाषा के वर्णमाला और उच्चारण का अध्ययन

हिंदी की बोली भाषा में शब्दों और उनके अर्थों का विश्लेषण

हिंदी की बोली भाषा के वाक्य रचना और प्रकारों का विस्तार

सप्ताह 3: हिंदी की बोली भाषा के प्रयोग

हिंदी की बोली भाषा के प्रमुख संवादों का अध्ययन

हिंदी की बोली भाषा में भाषण और प्रेजेंटेशन कौशल का प्रशिक्षण

हिंदी की बोली भाषा में संवादों और भाषणों के आयोजन का अभ्यास

सप्ताह 4: हिंदी की बोली भाषा में रोजगार के अवसर

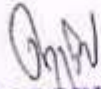
हिंदी की बोली भाषा में करियर विकल्पों का अध्ययन

हिंदी की बोली भाषा में रोजगार संबंधित क्षेत्रों की प्रमुख चुनौतियों का अनुसंधान

हिंदी की बोली भाषा में रोजगार के अवसरों के बारे में विवेचना और निर्धारण

समापन:

हिंदी की बोली भाषा और उनके प्रयोग के अवसरों के संबंध में आत्मविश्वास के साथ समापन करें,  
और रोजगार संबंधित क्षेत्रों में सफलता की दिशा में कदम बढ़ाएं

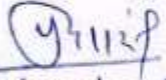
  
IQAC-COORDINATOR  
Kai.Rasika Mahavidyalaya, Deoni  
Tq.Deoni Dist.Latur

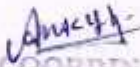
  
Principi  
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Tq.Deoni Dist.Latur


मूल्यवर्धित अभ्यासक्रम  
मराठीतील बोलीभाषांचा अभ्यास

Course Outcome

रसिका महाविद्यालय देवणी येथील मराठी भाषा विभागाच्या वतीने विद्यार्थ्यांच्या भाषाविषयक कौशल्यांचे ज्ञान वृद्धिंगत करण्यासाठी व मराठी भाषेतील विविध प्रादेशिक बोली व त्यातील स्थितीगतींचा आढावा घेण्याच्या हेतूने मराठी भाषेतील बोली व त्यांचा परिचय या विषयावर आधारित मूल्यवर्धित एक महिन्यांचा कोर्स आयोजित करण्यात आलेला आहे यामागे असा उद्देश आहे की, आमचे महाविद्यालय कर्नाटक व महाराष्ट्र सीमावर्ती भागामध्ये कार्यरत असून या परिसरामध्ये मराठी भाषा समजून घेण्यामध्ये ज्या उणिवा विद्यार्थ्यांमध्ये आढळतात त्या दूर करण्याच्या उद्देशाने तसेच मराठी भाषेची वाटचाल समजून घेत असताना मराठीतील ज्या विविध बोलीभाषा आहेत त्या समजून घेण्याच्या उद्देशाने हा कोर्स आयोजित करण्यात आलेला आहे. या कोर्सच्या माध्यमातून या कोर्ससाठी 30 गुणांची आधारित एक परीक्षा घेण्यात येईल व या कोर्समध्ये सहभागी विद्यार्थ्यांना प्रमाणपत्र देऊन सन्मानित करण्यात येईल.

  
Mr. Bhande P.S.

  
IQAC-COORDINATOR  
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Principal  
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Janseva Sevabhavi Pratishthan Bhopni's

**Kai.Rasika Mahavidyalaya, Deoni** Dist.Latur

(Science, Commerce & Information Technology)

(Affiliated to-Swami Ramanand Teerth Marathwada University Nanded)

www.kairasikamahavidyalaya.com

College Code - 399

Ph.02385-269555

Est. Year : 2008

NAAC Accredited : B Grade

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**Hon.Govindrao Bhopnikar**  
President

**Hon.Gajanan Bhopnikar**  
Secretary

**Dr.Kunal Badade**  
M.Com., M.Phil., Ph.D  
Principal  
kunal9000@gmail.com  
9730631804

Ref No. K.R.M.D./OIT./

Department of Marathi

Date: / /

मूल्यवर्धित (Add On Course) अभ्यासक्रम

मराठीतील बोलीभाषांचा अभ्यास

1<sup>st</sup> week : भाषा म्हणजे काय? भाषेचे प्रकार व भाषेचे सिद्धांत

भाषा म्हणजे काय?

भाषेचे प्रकार कोणते आहेत व त्याचे वेगळेपण लक्षात घेणे

भाषेचा वाटचालीचा आढावा घेणे

मराठी भाषेच्या उत्पत्ती विषयक सिद्धांताचा मागवा घेणे

2<sup>nd</sup> week : मराठी भाषेतील बोलीभाषा

बोलीभाषा म्हणजे काय

प्रदेश निहाय बोलीभाषांचा अभ्यास

बोली भाषेतील शब्दसंग्रह व बोलीचे वेगळेपण

प्रमाण भाषा व बोली भाषेतील फरक

3<sup>rd</sup> week : बोलीभाषेच्या निर्मितीची कारणे व स्वरूप यांचा आढावा घेणे

मराठी भाषेमध्ये प्रदेश निहाय सामाजिक वर्गीकरणानुसार निर्माण झालेल्या बोलीभाषांचा आढावा घेणे

बोली भाषेचे वेगळेपण लक्षात घेणे

प्रादेशिक वाग्मय निर्मितीचे स्वरूप

विविध बोली भाषेतून लेखन करणाऱ्या साहित्यिकांच्या साहित्यकृतीच्या आढावा घेणे

4<sup>th</sup> week बोलीभाषेच्या शब्दसंग्रहाचा आढावा घेणे

मराठीतील शब्दप्रयोग वाक्प्रचार म्हणी सुभाषिते यांची माहिती घेणे

बोलीभाषेचे वेगळेपण लक्षात घेणे

बोली भाषेतून निर्माण झालेल्या लोकसाहित्याचा आढावा घेणे

मराठीतील बोली भाषांचा होणारा न्हास : कारणे व उपाय योजना.



JSPB's

# Kai. Rasika Mahavidyalaya, Deoni

Department of Zoology

Date: 07.01.2019

## NOTICE

All students enrolled in the Certificate Course on "Maintenance of an Aquarium" are hereby informed that the examination will be held on 11<sup>th</sup> January, 2019. The examination will consist of multiple-choice questions (MCQs).

**Date of Examination:** January 11th, 2019

**Time:** 10:00 to 11:00 am

for any inquiries or doubts feel free to contact Dr. P.R. More.

head & Asst. Professor  
Dept of Zoology  
Kai. Rasika Mahavidyalaya, Deoni  
Dist. Latur - 413519

Principal  
Kai. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur



## Kai. Rasika Mahavidyalaya Deoni

Department of Zoology  
Certificate Course – 2018-19

Title of course: Maintenance of an Aquarium

### Syllabus

Sr. No.	Contents	Periods
1.	Chapter: I <b>History of an aquarium</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Types of Aquarum</li><li>- Shape and size of Aquarium</li></ul>	05
2.	Chapter: II <b>Aquarium Accessories and their uses.</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Aquarium accessories</li><li>- Uses of accessories</li></ul>	04
3.	Chapter: III <b>Aquascaping</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Facts for aquarium setting</li></ul>	03
4.	Chapter: IV <b>Maintainance of an aquarium</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Water maintainance</li><li>- Maintainance of fish extract and their wastes</li><li>- Oxyge maintainance</li></ul>	05
5.	Chapter: V <b>Aquarium fishes</b> <ul style="list-style-type: none"><li>- Introduction</li><li>- Egg laying fish species</li></ul>	03



	- Fresh water fish species - Marine water fish species	
6.	Chapter: VI Aquarium Plants - Introduction - Different types of plants	03
7.	Chapter: VII Food of an aquarium fishes	03
8.	Chapter: VIII Importance of an aquarium	04
9.	Total periods	30

### Outcome of the syllabus of Course entitled Maintenance of an Aquarium

1. Identify and evaluate different types of aquariums, considering factors such as size, shape, and material composition.
2. Select and utilize appropriate aquarium accessories effectively, understanding their functions and how they contribute to the health and aesthetics of the aquarium environment.
3. Apply principles of aquascaping to create visually appealing and ecologically balanced aquatic landscapes within an aquarium.
4. Implement best practices for the maintenance of aquariums, including water quality management, waste control, and oxygenation techniques.
5. Identify various species of aquarium fishes, including egg-laying, freshwater, and marine species, and understand their specific care requirements.
6. Recognize common aquarium plant species and their roles in enhancing water quality and providing habitat for fish.



  
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**Principal**  
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 Tq. Deoni Dist. Latur

## Notice

All students of B.Sc. T.Y. of Chemistry students are informed that the Certificate Course in Industrial Chemistry will be organised at department of Chemistry from 17<sup>th</sup> December 2018 for fourty days, So interested students who join for certificate course please contact Dr. V. S. More.

*X. S. More*  
**Principal**  
Sat. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

1) Mr. B.P. Ankush - B.Sc. T.Y. - *[Signature]*

# KAI. RASIKA MAHAVIDYALAYA

## DEONI, DIST. LATUR

### Choice Based Credit System (CBCS) Course Structure

### CERTIFICATE COURSE IN INDUSTRIAL CHEMISTRY

#### Course Pattern & Scheme of Marking

*With effect from: 17 Dec.-2018*

Semester	Course code	Name of the Paper	Total Period	C.A.	ESE	Total Marks	Credit
V	CCIC	Industrial Chemistry	40	10	40	50	02

**Note:-**

- CC=Certificate Course
- IC=Industrial Chemistry
- CA= Continuous assessment (Internal)
- ESE=End Semester Examination



**KAI. RASIKA MAHAVIDYALAYA DEONI, DIST- LATUR**  
**DEPARTMENT OF CHEMISTRY**  
**CERTIFICATE COURSE IN INDUSTRIAL CHEMISTRY**  
**SYLLABUS**

Marks – 50

Periods –30

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**Introduction**

The certificate courses are shaped and oriented to make the current Indian Higher Education System more relevant and career oriented with focus on quality and excellence. The programs are designed to ensure that graduates who pass out after completing the courses would have knowledge, skills and aptitude for gainful employment in the wage sector in general and self-employment in particular. Student's expertise in the concerned skill will have more opening in service, industry and entrepreneurship development. To enrich and empower the students Shivneri Mahavidyalaya is going to introduce need-based, value added certificate courses has been introduced as a parallel sub-discipline while pursuing their degree level education.

- |   |  |           |
|---|--|-----------|
| <b>1. Sugar and Alcohol Industry</b>  |  | <b>10</b> |
| <b>Period</b>   |  |           |
| 1) Manufacturing of raw cane sugar.   |  |           |
| 2) Refining of raw sugar.   |  |           |
| 3) White sugar.   |  |           |
| 4) Biproducts of sugar industry.  |  |           |
| 5) Manufacturing of ethyl alcohol from molasses.  |  |           |
| 6) Rectified spirit, denatured spirit absolute alcohol and powdered alcohol.  |  |           |
| 7) Bi-products of alcohol industry.   |  |           |
| <b>2. Textile Chemistry</b>   |  | <b>10</b> |
| <b>Period</b>   |  |           |
| 1) Introduction and classification of fibers  |  |           |
| 2) Sizing:  |  |           |
| a) Object of sizing, sizing ingredients and their functions.  |  |           |
| b) General idea of properties of starch, softness, synthetic adhesives.   |  |           |
| 3) Bleaching:   |  |           |
| a) Brief study of outline of the process of bleaching cotton and synthetic material.  |  |           |
| b) General idea of processes like singeing, desizing, scouring.   |  |           |
| 4) Dyeing: Study of dyeing, dyeing of cellulosic material and synthetic fibres with dyes like direct, vat, reactive and dispersed dyes. |  |           |
| <b>3. Green Chemistry</b>   |  | <b>10</b> |
| <b>Period</b>   |  |           |
| 1) Introduction: Twelve principles of green chemistry.  |  |           |
| 2) Zeolites: Friedel-Craft alkylation and acylation, oxidation of benzene to phenol and benzoquinone, reduction of                      |  |           |

- benzoquinone to hydroquinone.
- 3) Biocatalytic reactions: hydroxylation and oxidation using enzymes.
  - 4) Introduction to microwave assisted reactions.

**Reference books:**

1. Industrial chemistry by R. K. Das, Asia publication Mumbai.
2. Rigegels hand book of industrial chemistry by J. A. Kent, Van. Nostrard, London.
3. Chemistry process industries by shreve and Brinic- Ostim, Magraw Hill New York.
4. Biotechnology and applied microbiology by Alani and Moo-young.
5. Immobilize Biocatalysis by Joy Wleser
6. Advances in green chemistry: chemical synthesis using microwave irradiation by R. S. Varma.
7. Green chemistry: Environment friendly alternatives: by Rashmi Sanghi and M. M. shrivastav (Eds) © 2003 Narosa publishing house New Delhi India.
8. Textile Science by J. T. Marsh
9. Book of textile by A. J. Hall.
10. Sizing by D. B. Ajagaonakar
11. Bleaching by V. A. Sheni.
12. Dyeing by V. A. Sheni.
13. Principles of inorganic chemistry by Puri, Sharma and Kalia.
14. Text Book of inorganic chemistry by K. N. Upadhyay Vikas publishing House New Delhi.

Objective(s)	The aim of this paper is to expose the students with the knowledge in Sugar and Alcohol Industry, Textile Chemistry and Green Chemistry
Course Outcome(s)	
CO1	Understand the Basic concept of Sugar and Alcohol Industry
CO2	To enable the students to understand the classification of Fibers
CO3	To learn the basic concept and classification of Inorganic Polymers
CO4	Able to understand the theory of green chemistry
CO5	Ability to apply green chemical laboratory techniques

**Scope of the course:**

1. Globalization of education and economy has led to reorient and reshape its policies and programmes to make the current Indian Higher Education System more relevant and career-oriented with focus on quality and excellence.
2. Demand and scope for graduates having certificate course are visible in the applied fields of almost all basic/core disciplines.
3. To meet this challenge, Shivneri College would like to encourage incorporation of value added, certificate courses to be opted by students as a parallel sub-discipline while pursuing their degree level education.

4. Our daily need is industry based. We cannot move a single step without the chemistry and industry.
5. We need food which is based on Agricultural industry. We need shelter which is based on industry. What we use for 24 hours each day are coming from industry. So we must have knowledge about industrial chemistry.
6. It is envisaged that professionally qualified graduates with a sound knowledge and expertise in the discipline, **Industrial Chemistry** will have more openings in service, industry and self-employment sectors.

**KAL. RASIKA MAHAVIDYALAYA DEONI, DIST- LATUR**  
**DEPARTMENT OF CHEMISTRY**  
**CERTIFICATE COURSE IN INDUSTRIAL CHEMISTRY**

**Time Table**  
**Academic Year 2018-2019**

<b>Day/Time</b>	<b>09:00 To 10:00 AM</b>
<b>Monday</b>	Certificate course In Industrial Chemistry
<b>Tuesday</b>	Certificate course In Industrial Chemistry
<b>Wednesday</b>	Certificate course In Industrial Chemistry
<b>Thursday</b>	Certificate course In Industrial Chemistry
<b>Friday</b>	Certificate course In Industrial Chemistry
<b>Saturday</b>	Certificate course In Industrial Chemistry

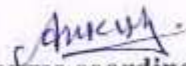
## Notice

Date: 10/01/2019

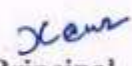
All B.Com. and B.Sc. students are informed that faculty of commerce is going to start add on course in the college for students. The timing of the course will be 03:30 to 04:30 at the evening. Those who wish to take admission for the course should fill the admission form and submit it to Bhusawale Sir before 20/01/2019. After successfully completion of the course the participants will be issued certificate.

The details of the course is as follows:

Name of the course	:	Business accounting with Tally
Course duration	:	30 Hours (23 Jan. to 28 Feb. 2019)
Timing	:	3.30 p.m. to 4.30 p.m.
Exam Date	:	05-03-2019
Certificate distribution:		08-03-2019

  
Course coordinator

**IQAC-COORDINATOR**  
Kalrasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

  
Principal

**Principal**  
Kal. Rasika Mahavidyalaya, Deoni  
Tq. Deoni Dist. Latur

## Proposal of Certificate course in Tally

### Importance of Tally in today's world:

Tally is powerful accounting software, which is driven by a technology called concurrent multi-lingual accelerated technology engine. Tally accounting software provides comprehensive solution around accounting principles, inventory management and data integrity. Tally also has feature encompassing global business. Tally software comes with easy to use interface thus making it operationally simple.

Tally accounting software provides a solution around inventory management, stock management, invoicing, purchase order management, discounting, stock valuation methodology etc. It helps in maintaining various kinds of ledgers, account receivable and payable, bank reconciliation etc.

### Objectives of Tally:

- To increase the job opportunities in accounting field in various organization and sector.
- To impart the basic and advanced accounting knowledge to various disciplines of students.
- Efficient use of accounting and computer knowledge in their own business to run their business smoothly

### Course Structure:

- 1) Meaning of book keeping and accountancy, Accounting concepts and conventions, Types of account and rules of Debit and Credit, Journal, Ledger and Trial balance, trading A/c, profit and loss account, and Balance sheet, Revenue expenses and incomes, capital income and expenditure.
- 2) Accounting on computer, tally fundamental, single entry and double entry system of accounting, Features of Tally software, processing transactions in tally, Tally groups, creating ledgers in tally.
- 3) Tally vouchers and types of vouchers, making accounting entries in tally, display menu-trial balance, accounts books, statement of accounts, day book, list of accounts, generating and printing of accounting report.

- 4) Inventory masters, Introduction to trading accounting, purchases and sales, stock group creation, stock item creation, unit of measurement, costing method analysis, market valuation method, displaying inventory reports, balance sheet with closing stock.
- 5) Advanced accounting, stock categories, godowns creation, bank reconciliation, display reports.

**Highlight of the course:**

- 1) Create and maintain the various ledgers, statements and reports in computerized form
- 2) Create awareness among rural students regarding latest trends in the field of computerized accounting
- 3) Future opportunity in computer accounting field in various business concerns

*Scanned*  
Principal  
Sri. Ramesh Mahavidyalaya, Chavara  
Sq. Deondi Dist. Lathur