

To

The Principal,  
Smt Radhabai Sarda Arts, Commerce &  
Science College, Anjangaon Surji

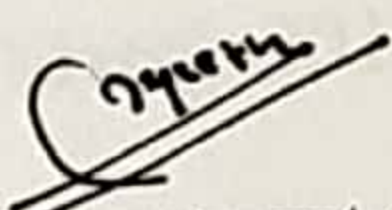
Subject: Permission for conducting **Certificate Course** entitled "**Apiculture**" for the  
session 2015-2016

Hon'ble Sir,

With reference to the above subject, we kindly request you to grant us permission for conducting the said course in the department of Zoology. The duration of the course will be 30 hours (2 hours X 15 working days). The syllabus of the course is enclosed herewith this letter for your kind consideration. The course will be helpful to our students in view point of their development towards Sericulture industry.

**Date: 01/03/2016**

Place: Anjangaon Surji

  
Head, Department of Zoology

Enclosures:

1. Syllabus of Certificate Course



Shri Sarda Education Society's  
Smt. Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji

Department of Zoology

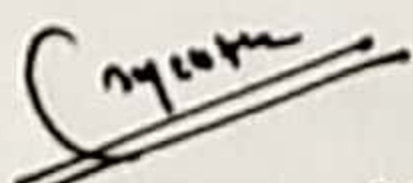
NOTICE

Date: 2<sup>nd</sup> March 2014

All the faculty member of department are informed that a departmental meeting related to certificate course is arranged on 2 August 2014 at 11:30 AM at the department of Zoology. You all are requested to present for the meeting with some innovative ideas. The minutes of the meeting are as follows.

1. It was unanimously decided to start certificate course for 30 Hours
2. To decide the topic and design syllabus
3. To frame the time table
4. Exam will be conducted after completion of the course

Coordinator

  
Head, Department of Zoology  
Miss M R Yeotkar



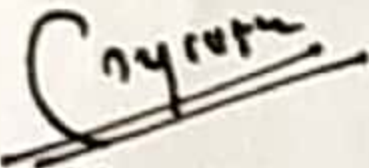
Shri Sarda Education Society's  
Smt. Radhabai Sarda Arts, Commerce and Science College  
Anjangaon Surji

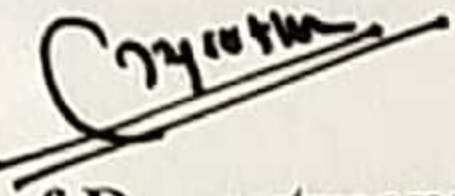
Department of Zoology

NOTICE

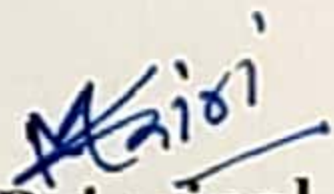
Date: 03<sup>rd</sup> March 2016

All the students of BSc II and BSc III are hereby informed that the Department of Zoology is going to start *Certificate Course Apiculture* from 7<sup>th</sup> March 2016 to 30<sup>th</sup> March 2016. Students, who are interested to participate in the said course, can confirm their admission on or before 6<sup>th</sup> March 2016.

  
Coordinator

  
Head of Department

HEAD  
Department of Zoology  
Smt. Radhabai Sarda College  
Anjangaon Surji

  
Principal  
Principal  
Smt. Radhabai Sarda College Of  
Arts, Commerce & Science  
Anjangaon Surji



Shri. Sarda Education Society's

Smt. Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji, Dist Amravati

Admission Form for Course Work

Session: 2015-2016

Admission Form No. 000174

A. Name of Applicant : Aaliya Firdous Syed Nazimuddin

B. Class: BSC II Date of Admission in College: 19/8/2015

C. ID Number 23-27-

D. Date of Birth: / / Category: OPONE

E. Name of the Department: ZOOLOGY

F. Name of Course: CERTIFICATED COURSE.

G. Title of the Course: APICALCUBE



**Note:** I certify that the information given above is true and correct. If it is found false, my admission will be cancelled at any moment.

A.F. Nazimuddin  
Signature of the Applicant



Shri. Sarda Education Society's  
Smt. Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji, Dist Amravati

Admission Form for Course Work

Session: 2015-2016

Admission Form No. **000176**

A. Name of Applicant : Ashwini S. Khode

B. Class: B.Sc II Date of Admission in College: 19 / 8 / 2015

C. ID Number 2263

D. Date of Birth: / / Category: OBC

E. Name of the Department: Zoology

F. Name of Course: Certificate course

G. Title of the Course: Apiculture



**Note:** I certify that the information given above is true and correct. If it is found false, my admission will be cancelled at any moment.

A.S. Khode  
Signature of the Applicant



Shri. Sarda Education Society's  
Smt. Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji, Dist Amravati

Admission Form for Course Work

Session: 2015-2016

Admission Form No. **000176**

A. Name of Applicant : Ashwini S. Khode

B. Class: B.Sc II Date of Admission in College: 19/8/2015

C. ID Number 2263

D. Date of Birth: / / Category: OBC

E. Name of the Department: Zoology

F. Name of Course: Certificate course

G. Title of the Course: Apiculture



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A.S. Khode  
Signature of the Applicant



**Shri. Sarda Education Society's**  
**Smt. Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji, Dist Amravati**  
**Admission Form for Course Work**

Session: 2015-2016

Admission Form No. **000178**

A. Name of Applicant : Dipali G. Datir

B. Class: BSc II<sup>nd</sup> Year Date of Admission in College: 19/08/2015

C. ID Number 2460

D. Date of Birth: / / Category: OBC

E. Name of the Department: Zoology

F. Name of Course: Certificate Course

G. Title of the Course: Apiculture.



**Note:** I certify that the information given above is true and correct. If it is found false, my admission will be cancelled at any moment.

D. G. Datir  
Signature of the Applicant



**Shri. Sarda Education Society's**  
**Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji**

**Department Of Zoology**

Session: 2015-16

**List of Enrolled students for Certificate Course "Apiculture"**

| SN | NAME OF THE STUDENT            | CLASS   | Enrollment No | SIGNATURE        |
|----|--------------------------------|---------|---------------|------------------|
| 1  | Aaliya Firdous Syed Nazimuddin | BSc II  | 14114696      | A.F.Nazimuddin   |
| 2  | Ashiwini S. Khode              | BSc II  | 14114678      | A.s.khode        |
| 3  | Dipali G. Datir                | BSc II  | 14114729      | Datir.           |
| 4  | Poonam S. Bhaskar              | BSc II  | 14114675      | Poonam           |
| 5  | Pratyancha N. Navale           | BSc II  | 14114707      | P.N.Navale       |
| 6  | Puja N. Lahad                  | BSc II  | 14114719      | P.Lahad.         |
| 7  | Radhika S. Nathe               | BSc II  | 14114686      | R.Nathe          |
| 8  | Shradha S. Umak                | BSc II  | 14114764      | S.Umak           |
| 9  | Vishakha W. Titurkar           | BSc II  | 14114688      | V.W.Titurkar     |
| 10 | Damini M. Pareek               | BSc II  | 14114687      | D.M.Pareek       |
| 11 | Shraddha V. Nage               | BSc II  | 14114791      | S.Nage           |
| 12 | Tejaswini A. Fukte             | BSc II  | 14114769      | T.Fukte          |
| 13 | Shweta N. Shahu                | BSc II  |               | S.N.Shahu        |
| 14 | Pooja D. Madghe                | BSc II  | 14114679      | P.D.Madghe       |
| 15 | Vaishnavi R. Patil             | BSc II  | 14114786      | V.R.Patil        |
| 16 | Vaibhav J. Kalamkar            | BSc II  | 14114796      | V.J.Kalamkar     |
| 17 | Shivam M. Ingale               | BSc II  | 1380967       | Shivam M. Ingale |
| 18 | Nilima G. Shahare              | BSc II  | 14114694      | N.G.Shahare      |
| 19 | Kashfiya Anam khan             | BSc II  | 14114690      | K.Khona          |
| 20 | Pranita S. Sarode              | BSc III | 13114645      | P.Sarode.        |
| 21 | Ambika D. Patidar              | BSc III | 13114629      | A.D.Patidar      |
| 22 | Chanchal C. Adgokar            | BSc III | 13114697      | C.C.Adgokar      |
| 23 | Dnyaneshwari P. Reche          | BSc III | 13114726      | D.P.Reche        |
| 24 | Manisha S. Dole                | BSc III | 13114727      | M.S.dole         |
| 25 | Vaidehi S. Sarda               | BSc III | 13114711      | V.S.Sarda        |
| 26 | Manjusha V. Deshmukh           | BSc III | 13114689      | M.Deshmukh       |



|    |                    |         |          |                     |
|----|--------------------|---------|----------|---------------------|
| 27 | Pranav R. Khadase  | BSc III | 12114742 | <u>Prhadase</u>     |
| 28 | Shubhangi D. Sune  | BSc III | 13114643 | <u>S. D. Sune</u>   |
| 29 | Nikita M. Kedar    | BSc III | 13114630 | <u>Nkedar</u>       |
| 30 | Vrushali P. Dandge | BSc III | 13114659 | <u>V. P. Dandge</u> |

Coycom  
Coordinator

Kair  
Principal

mt. Radhabai Sarda College Of  
Arts, Commerce & Science  
Warananagar, Pune



Smt Radhabai Sarda Arts, Commerce and Science College Anjagaon Surji  
Department Of Zoology  
Certificate Course

Apiculture-Programme Outcome-2015-16

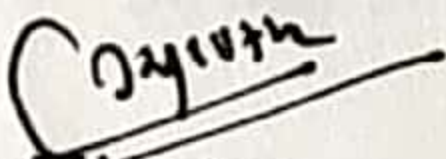
- Apiculture is important because it provides bees with a safe place to work and live. Since bees pollinate many of our food sources, it's important to keep the bee population healthy.
- Additionally, apiculture provides an environment in which to study bee habitat and behavior
- Apiculture is the management and study of honeybees, derived from the honeybee's Latin name *Apis mellifera*, meaning 'honey gatherer'..

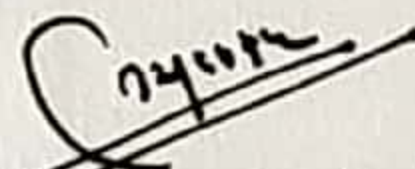
The cultivation of bees on a commercial scale for the production of honey is called apiculture.

- The Economic important of apiculture : 1) It is responsible for the one- third population of the world food by the pollination.

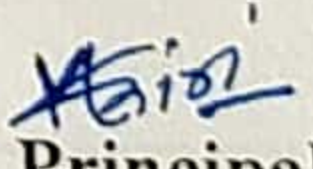
It is involved with the collection valuable products such as honey, wax, royal jelly etc. So, in the last it is important for economy of apiculture.

- Apiculture provides products such as honey and wax that are used commercially.
- Honeybees are responsible for pollination and thus help in increasing the yield of the several plants.
- Honey has medicinal values and is also used as a food additive.

  
Coordinator

  
H.O.D. of the Department

**HEAD**  
**Department of Zoology**  
**Smt. Radhabai Sarda College**  
**Anjangaon Surji**

  
**Principal**  
**Principal**  
**mt. Radhabai Sarda Coll**  
**Arts, Commerce & Sci**  
**Anjangaon Surji**



Smt Radhabai Sarda Arts, Commerce and Science College Anjagaon Surji

Department Of Zoology

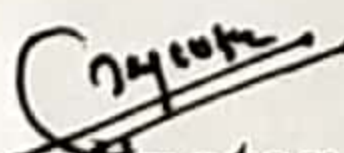
Certificate Course

## Apiculture

TIME TABLE

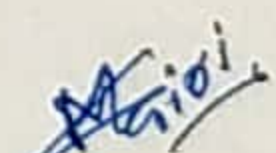
(2015-16)

| SN | DATE           | TIME           | THEORY                  | PRACTICAL      |
|----|----------------|----------------|-------------------------|----------------|
| 1  | 07-09 Mar 2016 | 10 AM to 12 PM | Inauguration and Unit I | --             |
| 2  | 10 Mar 2106    |                | --                      | Practical Work |
| 3  | 11-14 Mar 2016 | 09 AM to 11 AM | Unit II                 | --             |
| 4  | 15 Mar 2016    | 09 AM to 11 AM | --                      | Practical Work |
| 5  | 17-19 Mar 2016 | 09 AM to 11 AM | Unit III                | ---            |
| 6  | 21 Mar 2016    | 09 AM to 11 AM | --                      | Practical Work |
| 7  | 22-24 Mar 2016 | 09 AM to 11 AM | Unit IV                 | --             |
| 8  | 25 Mar 2016    | 09 AM to 11 AM | --                      | Practical Work |
| 9  | 26-29 Mar 2016 | 09 AM to 11 AM | Unit V                  | --             |
| 10 | 30 Mar 2016    | 09 AM to 11 AM | --                      | Practical Work |
| 11 | 31 Mar 2016    | 09 AM to 11 AM | Exam                    |                |

  
Coordinator

  
H.O.D. of the Department

**HEAD**  
**Department of Zoology**  
**Smt. Radhabai Sarda College**  
**Anjangaon Surji**

  
Principal

**Principal**  
**Smt. Radhabai Sarda College**  
**Arts, Commerce & Science**  
**Anjangaon Surji**



# Apiculture

## Certificate Course Syllabus for B.Sc.

### (Semester pattern) -Summer-2015

#### **Unit- I**

- 1.1 General Apiculture and Morphology of Honey Bee.
- 1.2 Species of Honey Bee & social organization.
- 1.3 PRACTICAL-I (based on Unit- I and II)

#### **Unit- II**

- 1.4 Life cycle & Hive, Selection of Bees for Apiculture
- 1.5 Method of Bee Keeping.
- PRACTICAL-II (based on Unit - I and II)

#### **Unit- III**

- 1.6 Queen rearing. Collection and preservation of bee pasture..
- 1.7 Product of Bee keeping
- PRACTICAL-III (based on Unit- IV and V)

#### **Unit -IV**

- 1.8 Bee Enemies
- 1.9 Seasonal management. Economics of beekeeping.
- PRACTICAL-IV (based on Unit- IX and V)

#### **Unit- V**

- 1.10 Importance, Significance, Medicinal Importance of Honey
- 1.11 Seasonal management. Economics of beekeeping.
- PRACTICAL- V (based on Unit- V)



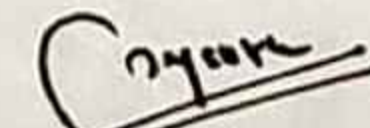
## Certificate Course

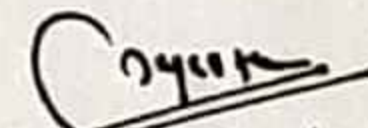
## Attendance Sheet

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|    |                       |         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|-----------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Shweta N. Shahu       | BSc II  | P | P | . | P | P | P | . | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 14 | Pooja D. Madghe       | BSc II  | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P | P |
| 15 | Vaishnavi R. Patil    | BSc II  | P | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P |
| 16 | Vaibhav J. Kalamkar   | BSc II  | P | P | P | . | P | P | P | P | P | P | P | . | P | P | P | P | P | P | . | P | P |
| 17 | Shivam M. Ingale      | BSc II  | P | P | P | P | . | P | P | P | P | P | P | . | P | P | P | P | P | . | P | P | P |
| 18 | Nilima G. Shahare     | BSc II  | P | P | P | P | P | . | P | P | P | P | . | P | P | P | P | P | P | P | P | P | P |
| 19 | Kashfiya Anam khan    | BSc II  | P | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P |
| 20 | Pranita S. Sarode     | BSc III | P | P | P | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P | P | P |
| 21 | Ambika D. Patidar     | BSc III | P | P | . | P | P | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P | P |
| 22 | Chanchal C. Adgokar   | BSc III | P | P | P | P | . | P | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P |
| 23 | Dnyaneshwari P. Reche | BSc III | P | . | P | P | P | P | P | P | P | P | P | P | P | P | . | P | P | P | P | P | P |
| 24 | Manisha S. Dole       | BSc III | P | P | P | . | P | P | P | P | . | P | P | P | P | P | P | P | P | P | P | P | P |
| 25 | Vaidehi S. Sarda      | BSc III | P | P | P | P | . | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P |
| 26 | Manjusha V. Deshmukh  | BSc III | P | P | P | P | P | . | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P |
| 27 | Pranav R. Khadase     | BSc III | P | P | P | . | P | P | . | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 28 | Shubhangi D. Sune     | BSc III | P | P | P | P | P | P | P | . | P | P | . | P | P | P | P | P | P | P | P | P | P |
| 29 | Nikita M. Kedar       | BSc III | P | P | P | P | P | . | P | P | P | P | P | . | P | P | P | P | P | P | P | P | P |
| 30 | Vrushali P. Dandge    | BSc III | P | P | P | . | P | P | P | P | P | P | P | P | P | P | P | . | P | P | P | P | P |

  
Coordinator

  
Head of the department  
**HEAD**  
Department of Zoology  
Smt. Radhabai Sard College  
Anjangaon Surji

  
Principal  
Principal  
Smt. Radhabai Sard College Of  
Arts, Commerce & Science  
Anjangaon Surji



Shri Sarda Education Society's  
Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department of Zoology  
Certificate Course on Apiculture

(Academic Session: 2015-16)

Date: 30/09/16

Max Marks: 50

Time: 1. 30 Hrs

**Q.1 Fill in the blanks.**

10M

- The word "Apiculture" comes from the latin word -----
- Honey Comb is rich in-----
- The most widely cultivated and economically important bee species is -----
- Nectar is rich in-----
- Honey bee lay the eggs -----

**Q.2 Answer in one sentences.**

05M

- Define apiculture.
- Define worker bee.
- Name the main two Honey Bee.
- Define Male and workers.
- How many drone in colony.

**Q.3 Write a short note on.**

05M

- Aims and scopes of Apiculture.
- Write down the scientific classification of apis species.

**OR**

- Draw the well labelled diagram of Queen .
- Importance of apiculture.

**Q.4 what is the characteristics of queen bee.**

10M

**OR**

**Q.4 Describe the importance of drone bees.**

**Q.5 Write a short note on.**

10M

- Scientific classification of Honey bee .
- Medicinal use of honey

**Q. 6 Describe management Apiculture.**

10M

**OR**

**Q.6 Discuss the two type of dances performed by the honey bees to communicate the location of food.**

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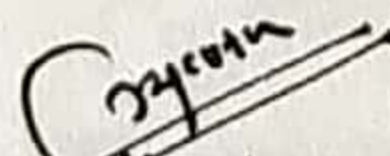


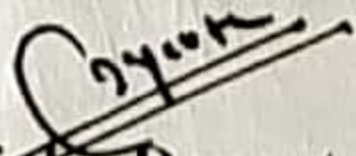
Shri Sarda Education Society's  
Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji  
Department of Zoology

Certificate Course "Apiculture" Examination

Date- 31/03/2016

| SN | NAME OF STUDENT                | SIGNATURE        |
|----|--------------------------------|------------------|
| 1  | Aaliya Firdous Syed Nazimuddin | A.F. Nazimuddin  |
| 2  | Ashiwini S. Khode              | A.S. Khode       |
| 3  | Dipali G. Datir                | D. G. Datir      |
| 4  | Poonam S. Bhaskar              | Poonam S.        |
| 5  | Pratyancha N. Navale           | P. N. Navale     |
| 6  | Puja N. Lahad                  | P. N. Lahad      |
| 7  | Radhika S. Nathe               | R. Nathe         |
| 8  | Shradha S. Umak                | S. Umak          |
| 9  | Vishakha W. Titurkar           | V. W. Titurkar   |
| 10 | Damini M. Pareek               | D. M. Pareek     |
| 11 | Shraddha V. Nage               | S. Nage          |
| 12 | Tejaswini A. Fukte             | T. A. Fukte      |
| 13 | Shweta N. Shahu                | S. N. Shahu      |
| 14 | Pooja D. Madghe                | P. D. Madghe     |
| 15 | Vaishnavi R. Patil             | V. R. Patil      |
| 16 | Vaibhav J. Kalamkar            | V. J. Kalamkar   |
| 17 | Shivam M. Ingale               | Shivam M. Ingale |
| 18 | Nilima G. Shahare              | N. G. Shahare    |
| 19 | Kashfiya Anam khan             | K. Anam          |
| 20 | Pranita S. Sarode              | P. S. Sarode     |
| 21 | Ambika D. Patidar              | A. D. Patidar    |
| 22 | Chanchal C. Adgokar            | C. C. Adgokar    |
| 23 | Dnyaneshwari P. Reche          | D. P. Reche      |
| 24 | Manisha S. Dole                | M. S. Dole       |
| 25 | Vaidehi S. Sarda               | V. S. Sarda      |
| 26 | Manjusha V. Deshmukh           | M. V. Deshmukh   |
| 27 | Pranav R. Khadase              | P. R. Khadase    |
| 28 | Shubhangi D. Sune              | S. D. Sune       |
| 29 | Nikita M. Kedar                | N. M. Kedar      |
| 30 | Vrushali P. Dandge             | V. P. Dandge     |

  
Coordinator

  
Head of the Department

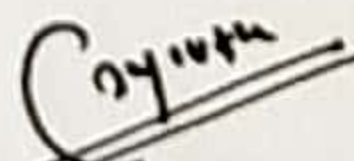
**HEAD**  
**Department of Zoology**  
**Smt. Radhabai Sarda College**  
**Anjangaon Surji**

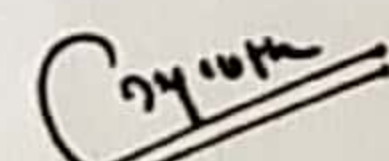
  
**Principal**  
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Arts, Commerce & Science  
Anjangaon Surji



Shri Sarda Education Society's  
Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji  
Department of Zoology  
Result of Certificate Course

| SN | NAME OF STUDENT                | Apiculture |                | SIGNATURE        |
|----|--------------------------------|------------|----------------|------------------|
|    |                                | OUT OF 50  | MARKS OBTAINED |                  |
| 1  | Aaliya Firdous Syed Nazimuddin | 50         | 40             | A.F. Nazimuddin  |
| 2  | Ashiwini S. Khode              | 50         | 45             | A.S. Khode       |
| 3  | Dipali G. Datir                | 50         | 33             | D. Datir         |
| 4  | Poonam S. Bhaskar              | 50         | 38             | Poonam S.        |
| 5  | Pratyancha N. Navale           | 50         | 45             | P.N. Navale      |
| 6  | Puja N. Lahad                  | 50         | 48             | P. Lahad         |
| 7  | Radhika S. Nathe               | 50         | 37             | R. Nathe         |
| 8  | Shradha S. Umak                | 50         | 35             | S. Umak          |
| 9  | Vishakha W. Titurkar           | 50         | 37             | V. W. Titurkar   |
| 10 | Damini M. Pareek               | 50         | 38             | D. Pareek        |
| 11 | Shraddha V. Nage               | 50         | 36             | S. Nage          |
| 12 | Tejaswini A. Fukte             | 50         | 40             | T. Fukte         |
| 13 | Shweta N. Shahu                | 50         | 42             | S. N. Shahu      |
| 14 | Pooja D. Madghe                | 50         | 41             | P. D. Madghe     |
| 15 | Vaishnavi R. Patil             | 50         | 49             | V. R. Patil      |
| 16 | Vaibhav J. Kalamkar            | 50         | 35             | V. Kalamkar      |
| 17 | Shivam M. Ingale               | 50         | 35             | Shivam M. Ingale |
| 18 | Nilima G. Shahare              | 50         | 33             | N. G. Shahare    |
| 19 | Kashfiya Anam Khan             | 50         | 38             | K. Khan          |
| 20 | Pranita S. Sarode              | 50         | 39             | P. Sarode        |
| 21 | Ambika D. Patidar              | 50         | 40             | A. D. Patidar    |
| 22 | Chanchal C. Adgokar            | 50         | 45             | C. C. Adgokar    |
| 23 | Dnyaneshwari P. Reche          | 50         | 40             | D. P. Reche      |
| 24 | Manisha S. Dole                | 50         | 42             | M. S. Dole       |
| 25 | Vaidehi S. Sarda               | 50         | 43             | V. S. Sarda      |
| 26 | Manjusha V. Deshmukh           | 50         | 44             | M. Deshmukh      |
| 27 | Pranav R. Khadase              | 50         | 40             | P. Khadase       |
| 28 | Shubhangi D. Sune              | 50         | 45             | S. D. Sune       |
| 29 | Nikita M. Kedar                | 50         | 48             | N. Kedar         |
| 30 | Vrushali P. Dandge             | 50         | 48             | V. P. Dandge     |

  
Coordinator

  
Head of the Department

**HEAD**  
Department of Zoology  
Smt. Radhabai Sarda College  
Anjangaon Surji

  
Principal  
Smt. Radhabai Sarda College: Of  
Arts, Commerce & Science  
Anjangaon Surji



**SmtRadhabaiSarda Arts, Commerce and Science College AnjagaonSurji**  
**Department Of Zoology**  
**Certificate Course**

**Apiculture**

**2015-16**

**Summary Report**

Department of Zoology conducted a certificate course on Apiculture in the academic session 2015-16. Total 31 students participated in the course and completed the course successfully. The attainments of the course are as follows

- Students understand bee biology and behavior: Types of bee, life cycle.
- Students learnt to handle beekeeping system and beekeeping equipment, bee keeping system/ hives installation of hives and tools.
- Students gained the knowledge about bee hive management and also honey colony management.
- Students also get to learnt various aspects of apiculture, manage insect diseases and nuisances in beehive.
- Students learnt to harvest, process and market the various obtained from bees.



*Shri. Sarda Education Society's*

*Smt. Radhabai Sarda Arts, Commerce and Science College Anjangaon Surji, Dist. Amravati*

*Certificate*

*This is to certify that Aliya Firdous Syed Nazimuddin of BSc II has successfully completed Value Added Course entitled "Apiculture" conducted by the Department of Zoology from 07-03-2016 to 30-03-2016 at Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati.*

*[Signature]*  
Coordinator

*[Signature]*  
Head of the Department

HEAD  
Department of Zoology  
Smt. Radhabai Sarda College  
Anjangaon Surji

*[Signature]*  
Principal

Principal  
Smt. Radhabai Sarda College  
Arts, Commerce & Science  
Anjangaon Surji



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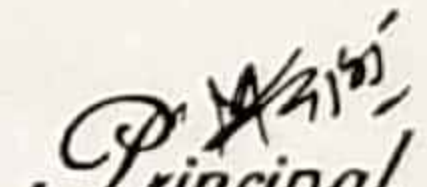
Certificate

This is to certify that Ashwini S. Khode of B.Sc. II has successfully completed Value Added Course entitled "Apiculture" conducted by the Department of Zoology from 07-03-2016 to 30-03-2016 at Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati.

  
Coordinator

  
Head of the Department

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Department of Zoology  
Smt. Radhabai Sarda College  
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Principal

Principal  
Smt. Radhabai Sarda College  
Arts, Commerce & Science  
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*Certificate*

*This is to certify that Dipali G. Dautir of BSc II has  
successfully completed Value Added Course entitled "Apiculture" conducted by the Department of Zoology  
from 07-03-2016 to 30-03-2016 at Smt. Radhabai Sarda Arts, Commerce & Science College,  
Anjangaon Surji, Dist. Amravati.*

*[Signature]*  
Coordinator

*[Signature]*  
Head of the Department

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Department of Zoology  
Smt. Radhabai Sarda College  
Anjangaon Surji

*[Signature]*  
Principal

Principal  
Smt. Radhabai Sarda College  
Arts, Commerce & Science  
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*Certificate*

*This is to certify that Poonam S Bhaskar of BSc II has  
successfully completed Value Added Course entitled "Apiculture" conducted by the Department of Zoology  
from 07-03-2016 to 30-03-2016 at Smt. Radhabai Sarda Arts, Commerce & Science College,  
Anjangaon Surji, Dist. Amravati.*

*[Signature]*  
*Coordinator*

*[Signature]*  
*Head of the Department*

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**Department of Zoology**  
**Smt. Radhabai Sarda College**  
**Anjangaon Surji**

*[Signature]*  
*Principal*

**Principal**  
**Smt. Radhabai Sarda College**  
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