

Rayat Shikshan Sanstha's

Arts, Science & Commerce College, Ramanandnagar

Department of Physics

2019- 20

Value Added Course


ANNUAL- REPORT

"IMPORTANCE OF EARTHING"

To enhance the disguised ability of the students studying in B.Sc. III Physics, the department decided to conduct one month value added course for them. With the kind permission of the Hon. Principal Dr. L. D. Kadam , the Department of Physics of our college conducted one month value added course entitled- "IMPORTANCE OF EARTHING" in the month of August. The course was made mandatory for the students studying in the final year of B.Sc. Physics.

For this one month value added course, Chairman Miss. Shinde A. L explained the importance of Earthing various devices at home and at workplace, whereas Mr. Bhagyawant P. K explained the precautions to be taken while handling these various electric equipments with and without earthing as such.

The total no. of students benefited by this course was 10. After the completion of the course the students are expected to handle carefully many kinds of daily usable electric appliances / equipments such as home theater, electric irons, electric fans etc and further spread the word of importance and benefits of earthing electric devices.


Head,
Dept. of Physics

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2019-20

Constitution of Committee

During the academic year of 2019-20 the department of physics will run the short term course – “Maintenance and repairs of electric domestic appliances” as well as the value added course on “Importance of Earthing” for B.Sc III students.

Rayat Shikshan Sanstha's
Arts, Science & Commerce College, Ramanandnagar (Burli)

Department of Physics

Value Added Course Syllabus

Importance of Earthing

| Sr. No | Topics |
|--------|-----------------------|
| 1. | What is earthing? |
| 2. | Necessity of earthing |
| 3. | Types of earthing |


Co-ordinator


Head,

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Importance of Earthing

Year: 2019-20

Objectives

- ❖ To make availability of self employability.
- ❖ To develop confidence for doing job.
- ❖ To develop skills required for job.
- ❖ To develop knowledge of home equipments.
- ❖ To make the students aware about the process of earthing
- ❖ To create awareness in the society about importance of earthing and its benefits to the different instruments.
- ❖ To make the students able to escape mishap due to short circuits

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)
Department- Physics
Value Added Course
Year: 2019-20
Annual Planning

| Sr. No. | Month | Particulars |
|----------------|--------------|--|
| 1. | June | 1. To prepare the constitution of the committee and call for the meeting |
| 2. | July | 1. Distribution of the syllabus to concerned faculty. |
| 3. | August | 1. Meeting of the committee about the syllabus completion and arrangement of Exam. |
| 4. | September | |
| 5. | October | Take exam of all students and check the answer sheets. |
| 6. | November | |
| 7. | December | |
| 8. | January | |
| 9. | February | |
| 10. | March | |
| 11. | April | |
| 12. | May | |

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

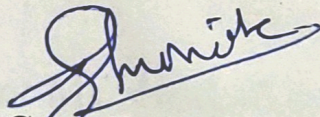
Department- Physics

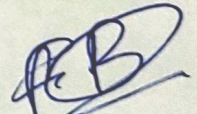
Value Added Course

Year: 2019-20

Notice

All the B.Sc. III students are hereby informed that, Department of Physics is going to conduct a 1 month value added course named "Importance of Earthing". This course is free of cost and students will receive certificate on successful completion of Course. Students are requested to meet Ms. Chavan S.S before 20/10/2019 to Know more details about the course.


Co-ordinator


Head

Dept.of Physics

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)
Department- Physics
Value Added Course
Year: 2019-20

Notice -01

Date: 28/06/2019

All the faculty and members of the committee are informed that the value added course committee meeting will be held on 29/06/2019 in department at 04:00pm. to discuss following subject.

Agenda:

- 1) Discussion on conduction of value added course during current academic year 2019-20 and to get the permission to conduct value added course named "Importance of Earthing".
- 2) To discuss on notice to student.
- 3) To discuss about the intake capacity of course.
- 4) Distribution of syllabus.
- 5) To discuss on weekly time table.

Chairman: Ms.Shinde.A.L.

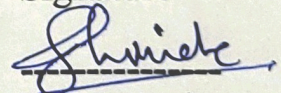
Member: Dr. Raut.V.S.

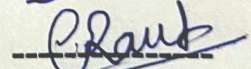
Mr. Bhagyawant P.K.

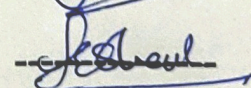
Mr. Maske. K.D.-----

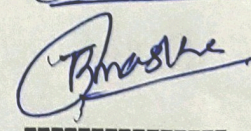
Ms. Chavan S.S.

Signature









Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Year: 2019-20

Proceeding of Meeting No.-01

Date: 29/06/2019

Meeting of the committee members was held in the department on 29/06/2019 at 04.00pm. The following findings were made.

- 1) Value added course is run by the department of Physics A.S.C. College Ramanandnagar (Burli), Shivaji University, Kolhapur. So it is necessary to get the permission to conduct the course.
- 2) If the permission is granted then the courses will be launched to B.Sc. III year student.
- 3) These courses will be held free of cost and certificates will be provided after successful completion of course.
- 4) Discussed about the syllabus distribution and the preparation of time table.

Following member were present for the meeting

Chairman: Ms.Shinde.A.L.

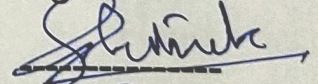
Member: Dr. Raut.V.S.

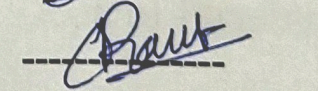
Mr. Bhagyawant P.K.

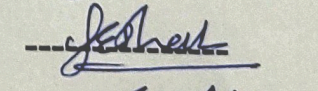
Mr. Maske. K.D

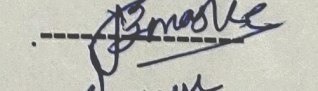
Ms. Chavan S.S.

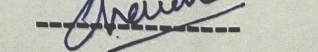
Signature











Rayat Shikshan Sanstha's

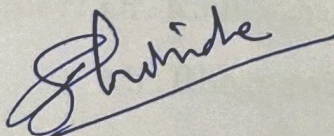
Arts, Science and Commerce College, Ramanandnagar (Burli)

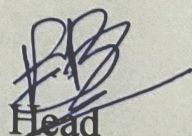
Dept. of Physics

Value Added Course- List of students

Year: 2019-20

| Sr. No. | Roll. No. | Name of the student | Sign |
|---------|-----------|-----------------------------|--------------|
| 1 | 1904 | Awati Kajal Sunil | Akshamb |
| 2 | 1905 | Jadhav Monika Arun | menikaf |
| 3 | 1906 | Jadhav Runali Dhanaji | RDJadhav |
| 4 | 1907 | Padman Vrushali Chandrakant | V.C.Padman |
| 5 | 1908 | Bhosale Rohit Kailas | RohitBhosale |
| 6 | 1909 | Sapkal Swati Manik | SSSankpal |
| 7 | 1910 | Shinde Shubhangi Nivrutti | SSShinde |
| 8 | 1911 | Tirmare Satyam Prakash | SP Ti smare |
| 9 | 1858 | Gudmani Sunil Ashok | SA Gudmani |
| 10 | 1885 | Nikam Amruta Vasant | AN Nikam |


Co-Coordinator


Head
Dept. of Physics

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value added course

Year: 2019-20

Notice -02

Dates: 12/07/2019

All the faculty and members of the committee are informed that the value added course committee meeting will hold on 13/07/2019 in department at 04:30pm. to discuss following subject.

Agenda:

1. To take the review of the syllabus completion
2. To conduct practical and theory exams as per the guidelines of the department of Adult and Continuing Education & Extension Work, Shivaji University, Kolhapur.

Chairman: Ms. Shinde. A.L.

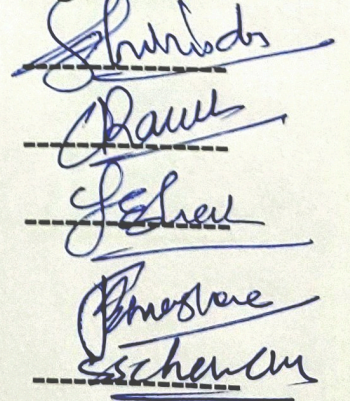
Member: Dr. Raut. V.S.

Mr. Bhagyawant P.K.

Mr. Maske. K.D.-----

Ms. Chavan S.S.

Signature



Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value added course

Year: 2019-20

Proceeding of Meeting No-02

Date: 13/07/2019

Meeting of the committee members was held in the department on 13/07/2019 at 04.30pm. The following discussion was made.

1. Taken the review of the syllabus completion and given the necessary suggestions to the faculties to complete it.
2. Discussion is made about the conduction of practical and theory exams as per the guidelines of the department of Adult and Continuing Education & Extension Work, Shivaji University, Kolhapur.

Following members were present for the meeting.

Chairman: Ms.Shinde.A.L.

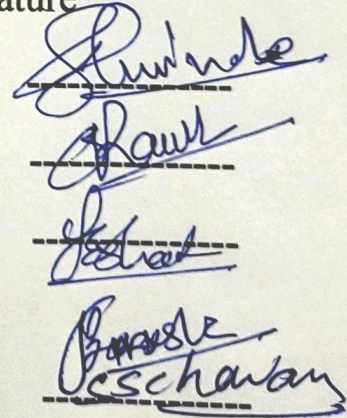
Member: Dr. Raut.V.S.

Mr. Bhagyawant P.K.

Mr. Maske. K.D.-----

Ms. Chavan S.S.

Signature



Rayat Shikshan Sanstha's
ARTS, SCIENCE & COMMERCE COLLEGE, Ramanandnagar (Burlji)

Dept. of Physics

Academic Year 2019-20
 CLASS B.Sc. III YEAR

Value Added Course - Student Presenty

| Sr. No | Roll. No. | Name of the Student | Date | | | | | | | | | | | | | | |
|--------|-----------|-----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|---|---|
| | | | 21/08/2019 | 23/08/2019 | 24/08/2019 | 30/08/2019 | 31/08/2019 | 01/09/2019 | 02/09/2019 | 03/09/2019 | 04/09/2019 | 05/09/2019 | 06/09/2019 | 07/09/2019 | | | |
| 1 | 1904 | Awati Kajal Sunil | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 2 | 1905 | Jadhav Monika Arun | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 3 | 1906 | Jadhav Runali Dhanaji | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 4 | 1907 | Padman Vrushali Chandrakant | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 5 | 1908 | Bhosale Rohit Kailas | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 6 | 1909 | Sapkal Swati Manik | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 7 | 1910 | Shinde Shubhangi Nivrutti | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 8 | 1911 | Tirmare Satyam Prakash | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 9 | 1858 | Gudmani Sunil Ashok | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 10 | 1885 | Nikam Amruta Vasant | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |


 Co-Coordinator

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department of Physics

Value Added Course Theory Examination 2019-20

Importance of Earthing

Name of the Student :
Date :
Roll No:
Total Marks : 20

Class :
Time : 11:30 to 12:00 pm
PRN:
Marks obtained :

- Instructions :** 1. Each question carries two marks
2. All questions are mandatory.

1. Most of the substations in the power system changeof electric supply.

- A. Current level
C. Both A and B

- B. Voltage level
D. None of the above

2. Earthing is necessary to give protection against

- A. Danger of electric shock
C. Overloading

- B. Voltage fluctuation
D. High temperature of the conductors

3. Solid grounding is adopted for voltages below

- A. 100 V
C. 660 V

- B. 200 V
D. 400 V

4. The advantage of neutral earthing is.....

- A. Freedom from persistent arcing grounds
C. Simplified design earth fault protection

- B. safety of personnel
D. All of the above

5. In a star connected system without neutral grounding, zero sequence currents are

- A. Zero
C. Same as r.m.s. value of phase currents

- B. Phaser sum of phase currents
D. Same as peak value of phase current

6. The over voltage surge in power systems may be caused by

- A. Lightning
- C. Switching

- B. Resonance
- D. All of the above

7. The neutral wire is coloured

- A. Red
- C. Black

- B. Blue
- D. Yellow

8. Grounding transformer is used where neutralavailable

- A. Is
- C. Either A or B

- B. Is not
- D. None of the above

9. The ground wire is coloured

- A. Green
- C. Yellow

- B. Black
- D. Red

10. Following equipment is used to limit short circuit current level in a Sub Station.....

- A. Isolator
- C. Coupling capacitor

- B. Lightning switch
- D. Series reactor

SPACE FOR ROUGH WORK

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department of Physics

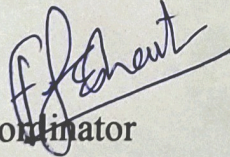
Value Added Course

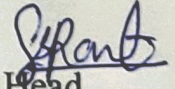
"Importance of Earthing"

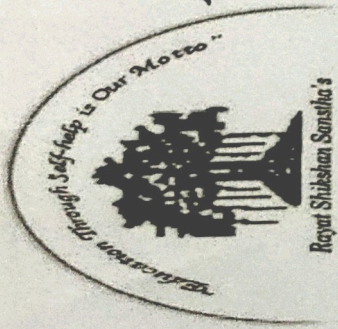
Final Result

2019-20

| Sr. No. | Roll. No | Name of the student | Theory 20 | Practical 30 | Total 50 |
|---------|----------|--------------------------------|--------------|-----------------|-------------|
| 1 | 1904 | Awati Kajal Sunil | 18 | 27 | 45 |
| 2 | 1905 | Jadhav Monika Arun | 17 | 29 | 46 |
| 3 | 1906 | Jadhav Runali Dhanaji | 19 | 25 | 44 |
| 4 | 1907 | Padman Vrushali Chandrakant | 15 | 28 | 43 |
| 5 | 1908 | Bhosale Rohit Kailas | 18 | 26 | 44 |
| 6 | 1909 | Sapkal Swati Manik | 15 | 24 | 39 |
| 7 | 1910 | Shinde Shubhangi Nivrutti | 16 | 29 | 45 |
| 8 | 1911 | Tirmare Satyam Prakash | 17 | 28 | 45 |
| 9 | 1858 | Gudmani Sunil Ashok | 19 | 27 | 46 |
| 10 | 1885 | Nikam Amruta Vasant | 20 | 29 | 49 |


Coordinator


Head
Department of Physics
Arts, Science & Commerce College
Ramanandnagar (Burli)



Rayat Shikshan Sanstha's
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAMANANDNAGAR (BURLI)

Tal- Palus, Dist-Sangli

CERTIFICATE



This is to certify that Mr./Miss./Mrs.

*of B.Sc.III Physics has successfully completed the Value added Course
"Importance of the Earthing" in the year 2019-20.*

Head
Department of Physics.

Principal

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term and Value added courses

Year: 2019-20

Experiential feelings

After completion of the short term course- "Maintenance and Repairs of Electric Domestic Appliances" and value added course "Importance of Earthing", the students admitted to this course gained fruitful knowledge about maintenance and repairing of electric appliances and importance of earthing to the devices. Because of the lack of information about appliances, several mishaps are caused. The students gave proper information about this appliances to people in the society. All students went home to home and shared knowledge regarding the electric appliances.

The handling of the appliances is very easy with prior knowledge of how devices work, therefore it is necessary to know about the appliances. This was achieved by this short term course and value added course togetherly.

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term and Value added courses

Year: 2019-20

Action Report

This Value added course is made mandatory for B.Sc. final year students. For the short term course - Maintenance and Repairs of Electric Domestic Appliances and one value added course Importance of Earthing the committee was established at the beginning of the year 2019-20. The total 10 students and a team of three faculties of department of physics was involved in this course. This short term course (three months) and value added courses (one month) has been run during this year. The technical information was given to the students. The detail information about the "Maintenance and Repairs of Electric Domestic Appliances" and 'Importance of Earthing' were given to the admitted student.