

**Rayat Shikshan Sanstha's**  
**Arts, Science and Commerce College, Ramanandnagar (Burli)**  
**Department- Physics**  
**Short Term and Value added courses**  
**Year: 2018-19**  
**Annual Report**

This course is made mandatory for B.Sc. final year students. For the short term course - Maintenance and Repairs of Electric Domestic Appliances and three value added courses the committee was established at the beginning of the year 2018-19. The total 13 students and all faculties of department of physics were involved in this course. This short term course and value added courses 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" were given to the admitted student.

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

**Rayat Shikshan Sanstha's**

**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term and Value added courses**

**Year: 2018-19**

**Constitution of Committee**

During the academic year 2018-19 the Department of Physics runs the short Term Course-Maintenance and Repairs of Electric Domestic Appliances as well as the department runs the value added course for B.Sc. III students. In the accademic year 2018-19 the physics department run following three value added courses:

- a) How to Handle Electric Domestic Appliances.
- b) How to Test Electric Home Equipments.
- C) Importance of Earthing.

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

**Department of Physics**  
**Short Term Course Syllabus**

**1. How to Handle the Electric Equipments**

Maintenance of electric appliances

Precautions to be taken during the use of electric appliances.

**2. How To Test Electric Domestic Equipments**

Ways of testing electric equipments- using test lamp & using continuity tester.

Testing of tube light, testing of choke, testing of starter.

Testing of ceiling fan, condenser testing, testing of windings.

**3. Repair electric home appliances**

Repairing of electric home appliances:-

To repair ordinary electric iron.

To repair automatic electric iron.

To repair the tube light.

To repair the table fan.



Rayat Shikshan Sanstha's

**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department of Physics**

**Physics: Short Term Course**

**Maintenance and Repairing of Domestic Electric Appliances**

**Year: 2018-19**

**Objectives**

- ❖ To make availability of self employability
- ❖ To develop confidence for doing job
- ❖ To develop skills required for job.
- ❖ To develop knowledge of domestic equipments.
- ❖ To give the knowledge about the testing of the electric domestic appliances like fan, iron, refrigerator, tube light mixer, heater etc..
- ❖ To render help to their family in wise testing electric domestics appliances.

Students help to their family to purchase of good quality electric appliances

Rayat Shikshan Sanstha's

**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term and Value added courses**

**Year: 2018-19**

**Annual Planning**

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

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

Department- Physics

Short Term and Value added courses

Year: 2018-19

Notice -01

Date: 06/07/2018

All the faculty and members of the committee are informed that the short term course committee meeting will hold on 07/07/2018 in department at 04:30pm. to discuss following subject.

Agenda:

- 1) Discussion on run the short term course in this academic year and to get the permission to conduct short term course.
- 2) Discussion on self financed course such as value added courses activity and their fees.
- 3) To discuss on notice to student.
- 4) To discuss about the intake capacity of course.
- 5) Distribution of syllabus.
- 6) To discuss on weekly time table.

**Chairman:** Mr. Maske K.D.

**Member:** Mr. Thorat J. B.

Mr. Bhagyawant P.K.

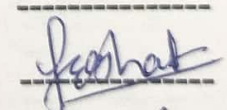
Ms. Kishori K. Mulik

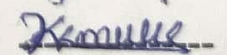
Ms. Anjum A. Nadaf

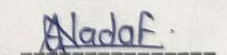
Mr. Omkar L. Salunkhe

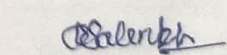
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**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term and Value added courses**

**Year: 2018-19**

**Proceeding of Meeting No.-01**

Date: 07/07/2018

Meeting of the committee members was held in the department on 07/07/2018 at 04.30pm. The following findings were made.

- 1) Short term course and value added courses runs 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 on the self finance basis.
- 4) Discussed about the syllabus distribution and the preparation of time table.

Following member were present for the meeting

**Chairman:** Mr. Maske K.D.

**Member:** Mr. Thorat J. B.


Mr. Bhagyawant P.K.

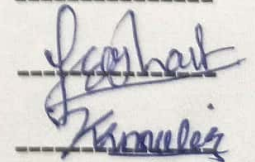
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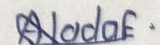
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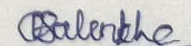
Mr. Omkar L. Salunkhe

Signature









Rayat Shikshan Sanstha's

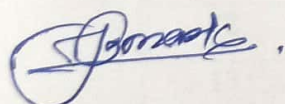
**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

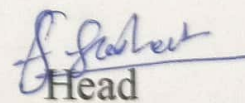
**Short Term Course – Time Table**

**Year: 2018-19**

<b>Sr. No.</b>	<b>Day</b>	<b>Time</b>	<b>Theory/ Practical</b>	<b>Name of the Teacher</b>
1	Wednesday	10:30am to 11:15am	Theory	Mr. Maske K. D.
2	Friday	02:15pm to 03:00pm	Theory	Mr. Bhagyawant P.K.
		03:00pm to 04:45pm	Practical	Mr. Maske K. D./ Mr. Thorat J. B.
3	Saturday	02:15pm to 03:00pm	Theory	Mr. Thorat J. B.
		03:00pm to 04:45pm	Practical	Mr. Bhagyawant P.K. / Mr. Maske K. D.



Co-coordinator





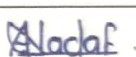

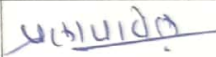

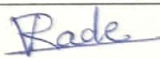
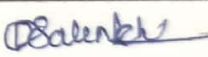


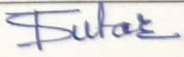


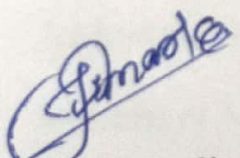
Head

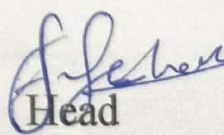
Dept. of Physics



Rayat Shikshan Sanstha's  
**Arts, Science and Commerce College, Ramanandnagar (Burli)**  
**Dept. of Physics**  
**Short Term Course- List of students**  
**Year: 2018-19**

Sr. No.	Roll. No.	Name of the student	Sign
1	2216	Deshmukh Amit Shivaji	
2	2217	Jadhav Saurabh Ashok	
3	2219	More Supriya Jaywant	
4	2220	Mulik Kishori Krishnaji	
5	2221	Nadaf Anjum Abdulla	
6	2222	Nazare Swapnali Bhanudas	
7	2223	Patil Pratiksha Lalaso	
8	2224	Aute Tejaswi Ashok	
9	2225	Rade Vrushali Jaywant	
10	2226	Salunkhe Omkar Lalaso	
11	2227	Shinde Omkar Tukaram	
12	2228	Sorate Sangram Uttam	
13	2229	Sutar Trupti Shankar	

  
Co-Coordinator

  
Head  
Dept. of Physics

Rayat Shikshan Sanstha's

**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term and Value added courses**

**Year: 2018-19**

**Notice -02**

**Dates: 15/02/2019**

All the faculty and members of the committee are informed that the short term course committee meeting will hold on 16/02/2019 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:** Mr. Maske K.D.

**Member:** Mr. Thorat J. B.

Mr. Bhagyawant P.K.

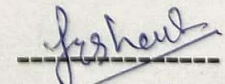
Ms. Kishori K. Mulik

Ms. Anjum A. Nadaf

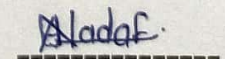
Mr. Omkar L. Salunkhe

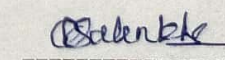
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**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term and Value added courses**

**Year: 2018-19**

**Proceeding of Meeting No.-02**

Date: 16/02/2019

Meeting of the committee members was held in the department on 16/02/2019 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:** Mr. Maske K.D.

Signature


  
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**Member:** Mr. Thorat J. B.

Mr. Bhagyawant P.K.

  
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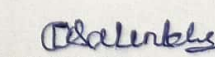
Ms. Kishori K. Mulik

  
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Ms. Anjum A. Nadaf

  
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Mr. Omkar L. Salunkhe

  
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**Short term course- Student Presenty**

Sr.No.	Name of the Student	Date																								
		28/11/2018	30/11/2018	1/12/2018	5/12/2018	9/12/2018	8/12/2018	12/12/2018	14/12/2018	15/12/2018	19/12/2018	21/12/2018	22/12/2018	28/12/2018	29/12/2018	2/1/2019	4/1/2019	5/1/2019	9/1/2019	11/1/2019	12/1/2019	15/1/2019	18/1/2019			
1	Deshmukh Amit Shivaji	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	Jadhav Saurabh Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	More Supriya Jaywant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Mulik Kishori Krishnaji	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Nadaf Anjum Abdulla	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Nazare Swapnali Bhanudas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Patil Pratiksha Lalaso	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Aute Tejaswi Ashok	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Rade Vrushali Jaywant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Salunkhe Omkar Lalaso	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Shinde Omkar Tukaram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Sorate Sangram Uttam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sutar Trupti Shankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

*(Signature)*

**Co-Coordinator**

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

Department of Physics

Short Term Course Theory Examination 2018-19

**“Maintenance and Repairing of Electrical Home Appliances”**

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. Which material can be used upto a temperature of 130° C?**

- a. Mica  
b. Cotton  
c. Synthetic resin  
d. All of these

**2. What is the purity of electrically graded aluminium?**

- a. 95 %  
b. 98.3 %  
c. 99.5 %  
d. 97.5 %

**3. Which among these is the application of universal motors?**

- a. Vacuum cleaners  
b. Fans  
c. Hair dryers  
d. Washing machines

**4. What is the use of current transformers?**

- a. Stepping up AC current  
b. Measuring and protection  
c. Stepping down AC current  
d. Both (b) and (c)

**5. Rated frequency in India is**

- a. 60 Hz  
b. 50 Hz  
c. 55 Hz  
d. 53 Hz

**6. A multimeter is a device which can measure**

- a. Resistance  
b. Voltage  
c. Current  
d. All of the above

**7. Which of the following refrigerant widely used in domestic refrigeration?**

- a. Neon  
b. alcohol  
c. Ammonia  
d. Oxygen

**8. The heating element in an electric iron is usually made of**

- a. brass.  
b. iron.  
c. nichrome.  
d. platinum.



**9. The capacity an air conditioner is expressed in**

- a. watt.
- c. kWh.

- b. HP.
- d. tons.

**10. Which of the following heating method is generally used in electric iron?**

- a. Direct resistance heating.
- c. Dielectric heating.

- b. Indirect resistance heating.
- d. Arc heating.

**11. Which part of washing machine actually perform the cleaning operation of cloth clothes?**

- a. Drain.
- c. Agitator.

- b. Tub.
- d. Timer.

**12. Which type of magnet is used in an electric bell?**

- a. Temporary magnet.
- c. Electromagnet.

- b. Permanent magnet.
- d. Carbon magnet.

**13. Which of the following device is responsible for production of the cold liquid in a refrigerator?**

- a. Compressor.
- c. Evaporator.

- b. Condenser.
- d. Throtting device.

**14. Which of the following gas is mainly used inside a electric bulb?**

- a. Carbon dioxide gas.
- c. Inert gas.

- b. Hydrogen gas.
- d. Helium gas

**15. Which of the following lamp cannot sustain much voltage fluctuations?**

- a. Incandescent lamp.
- c. Mercury vapour lamp.

- b. Sodium vapour lamp.
- d. Fluorescent lamp.

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SPACE FOR ROUGH WORK

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

Department of Physics

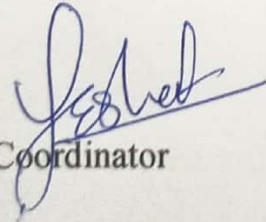
Short Term Course

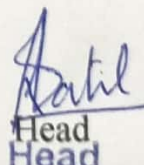
Maintenance And Repair Of Domestic Appliances

Final Result

2018-19

Sr. No.	Roll. No	Name of the student	Theory 30	Practical 50	Oral 20	Grand Total 100
1	2216	Deshmukh Amit Shivaji	28	48	20	96
2	2217	Jadhav Saurabh Ashok	29	48	19	96
3	2219	More Supriya Jaywant	27	47	20	94
4	2220	Mulik Kishori Krishnaji	25	49	19	93
5	2221	Nadaf Anjum Abdulla	29	49	20	98
6	2222	Nazare Swapnali Bhanudas	25	43	18	86
7	2223	Patil Pratiksha Lalaso	26	45	19	90
8	2224	Aute Tejaswi Ashok	27	49	18	94
9	2225	Rade Vrushali Jaywant	28	46	18	92
10	2226	Salunkhe Omkar Lalaso	28	48	19	91
11	2227	Shinde Omkar Tukaram	29	49	20	98
12	2228	Sorate Sangram Uttam	29	48	18	95
13	2229	Sutar Trupti Shankar	27	46	19	92

  
Coordinator

  
Head  
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 Short Term Course*

*"Maintenance and Repairing of Domestic Electric Appliances" in the*

*year 2018-19.*

**Head**  
**Department of Physics.**

**Principal**



Rayat Shikshan Sanstha's

**Arts, Science and Commerce College, Ramanandnagar (Burli)**

**Department- Physics**

**Short Term Course**

**Year: 2018-19**

**Experiential feelings**

After completion of the short term course- "Maintenance and Repairs of Electric Domestic Appliances" and three value added courses, the students admitted to this course got fruitful knowledge about maintenance and repairing of electric appliances as well as how to handle and how to test electric home appliances. Because of the less information about appliances, people feel uncomfortable with appliances. The students have given proper information about this appliances to people in the society. All students went home to home and gave the important knowledge regarding the electric appliances.

The handling of the appliances is very easy, therefore it is necessary to know the knowledge about the appliances. This can be achieved by this short term course.