Short team - 2020-21.

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Short Term course

Year: 2020-21

Annual Report

This Short Term course is made mandatory for B.Sc. final year students. For the short term course - Maintenance and Repairs of Electric Domestic Appliances and 2020-21. The total 11 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 detailed infomation about the

"Maintenance and Repairs of Electric Domestic Appliances was given to the

admitted student.

Arts, Science ... Commerce Collage.

Ramunandnagar (Burli)

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Year: 2020-21

Constitution of Committee

During the academic year 2020-21 The Department of Physics runs the Short Term Course named "Repairing of Electrical Home Appliances" for B.Sc. III students.

Chairman: Ms. N. J. Kamble

Member: Dr. Raut. V.S.

Dr. Patil G. R.

Paul Palil

Dr. Patangrao Kadam Mahavidyalaya ,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.

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Maintainence and Repairing of Electrical Home Appliances (STC)(90 lectures)

Year: 2020-21

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 give the knowledge about the testing of the electric home 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.

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics Short Term Course

Year: 2020-21

Annual Planning

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

Head

Department of Physics

Arts, Science & Connecce College

Ramanandnagai (Buili)

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Year: 2020-21

Notice -01

Date: 06/08/2020

All the faculty and members of the committee are informed that the short term course committee meeting will be held on 07/08/2020 in department at 04:00pm. to discuss following subject.

Agenda:

- 1) Discussion on conduction of short term course during current academic year 2020-21 and to get the permission to conduct short term course under Karmveer Vidya Prabodhani named "Repairing of Electrical Home Appliances".
- 2) To discuss on notice to student.
- 3) To discuss about the intake capacity of course and fees.
- 4) Distribution of syllabus.
- 5) To discuss on weekly time table.

Chairman: Ms. N. J. Kamble

Member: Dr. Raut.V.S.

Dr. Patil G. R.

Signature

Rout

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

Department- Physics

Short Term Course

Year: 2020-21

Proceeding of Meeting No.-01

Date: 08/08/2020

Meeting of the committee members was held in the department on 02/08/2020 at 04.00pm. The following findings were made.

- 1) Short term course 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 on the self finance basis and decided to charge a fee of Rs.500/- per student.
- 4) Discussed about the syllabus distribution and the preparation of time table.

Following member were present for the meeting

Chairman: Ms. N. J. Kamble

Member: Dr. Raut. V.S.

Dr. Patil G. R.

Signature

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course – Time Table

Year: 2020-21

Sr. No.	Day	Time	Theory/ Practical	Name of the Teacher			
		01:40pm to 02:30pm	Theory	Miss. N. J. Kamble			
1,	Friday	02:30pm to 05:00pm	Practical	Dr. Raut V. S. Dr. Patil G. R.			
	1 A A A A A A A A A A A A A A A A A A A	01:40pm to 02:30pm	Theory	Dr. Patil G. R.			
2	Saturday	02:30pm to 05:00pm	Practical	Dr. Raut V. S. Miss. N. J. Kamble			

Co-ordinator

Head

Departm Head hysics

Arts, Scippent Carpnoto College.

Ralliand Physics,

Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli) Dept. of Physics

Short Term Course

"Maintenance and Repairing of Electrical Home Appliances" List of students for Year: 2020-21

Sr. No.	Roll. No.	Name of the student	Gender
1	1906	Chavan Amruta Aravind	F
2	1907	Diwan Rahul Vijay	M
3	1908	Howal Sushant Vijay	M
4	1909	Kamble Nishikant Sanjay	М
5	1910	Lohar Tejashri Siddhu	F
6	1911	Mithari Vijaykumar Sudhakar	M
7	1912	Patil Vaibhav Dinkar	М
8	1913	Patil Vaishnavi Dipak	F
9	1914	Sawant Megha Dinkar	F
10	1915	Tirmare Pratiksha Sharad	F
11	1916	Turai Deepak Ravsaheb	M

Coordinator

(Miss. Kamble N.J)

Department of Physics
Remainandnagar of College

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Year: 2020-21

Notice -02

Dates: 15/12/2020

All the faculty and members of the committee are informed that the short term course committee meeting will hold on 16/12/2020 in department at 04:30pm. to discuss following subject.

Agenda:

- 1. To distribute syllabus of Short Term course
- 2. To discuss Stdent intake capacity
- 3. To discuss mode of conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhani

Chairman: Ms. N. J. Kamble

Member: Dr. Raut.V.S.

Dr. Patil G. R.

CRant

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Year: 2020-21

Proceeding of Meeting No.-02

Date: 16/12/2020

Meeting of the committee members was held in the department on 16/12/2020 at 04.30pm. The following discussion was made.

- 1. To distribute syllabus of Short Term course
- 2. To discuss Student intake capacity
- 3. Discussion is made about the conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhini, Satara.

Following members were present for the meeting.

Signature

Chairman: Ms. N. J. Kamble

Member: Dr. Raut.V.S.

Dr. Patil G. R.

ARTS, SCIENCE & COMMERCE COLLEGE, Ramanandnagar (Burli)

Dept. of Physics
Academic Year 20 ...2
CLASS B.Sc. III YEAR

Short term course- Student attedance

		_											
		L							ă.		Γ	Τ	T
1 Mar 21 (P)	318	2	0	Œ	م	م	۵	P	d	•	0	0	1
The Mars ICT	12	4	A	d	d	A	d	P	A	d	a] a	1
4 May 21(p)	LC S	A	a	P	b	D	9	P	A	d	0	0	1
(4) (b) (b)			9	9	a	a	9	Р	Ø	d	a	0	1
(T) 15 MM W		d	9	d	P	٥	2	۵	P	a	۵	10	1
(1) (5 mm)	20	Þ	٥	9	A	a	9	۵	D	٥	đ	a	
(T) (D)	100	9	D	9	Œ	0	9	9	a	٥	2	a	T
(d) 12 rom m			G	٩	9	0	P	9	d	ρ.	2	a	
(T) (S) (D)		9	4	9	2	9	4	9	2	P	d	a	
(g) 12 rom 4		9	9		9	o	هـ ا	ما	9	P	Þ	d	
(1) (2) mm m		-	9	4	2	9	ما	2	م	9	đ	a	
(d) 18 89 (d)		-	9	Œ,	4	ما	ما	2	2	م	₫	2	
(L) 12 98 41		9	9	2	9	9	ما		۵	م	Œ	d	
(d) 12 90 42°	2	9	_	┷┼-	ما	9	2 9	2 2	4	P	d	b	
(1) 12 90 yrc	13(9	4	4	ما	ولو	2	7	d	P	P	
(d) 1890fm	9	2	d c	4	7	_	_	ماد	7	4	D	P	17
(1) 1297 (1)	9 9	ور	<u> </u>	7	2	7 <	\$ 5	7 5	7 6	7	9	p	j.
(9) Lemol No.		7 6	4	4	7 6	7	4		I	4	۵	B	91, 98
(T) (2 not 20		- -	1	I c	1	2 6	7	D <	4	I	۵	A	112
(d) 12 upc yps			7/0	45	1	2/2	2	2	7 2	7	ما	a	
(1) (2) (1)	0	- 9	٦	2	70		2	2	7 8	1	ما	٥	
(T) (smot bis;	ء ای	13	10	9	15	7 3	5	- 4	Į (4	7	2	
											T		82.1 1 i
lent						ka.					ı	1	
Name of the Student	Vind			niav		Mithari Vijaykumar Sudhakar			l.		죑.	ا۾	
the	Chavan Amruta Aravind	aş.	Howal Sushant Vijay	Kamble Nishikant Saniav	Lohar Tejashri Siddhu	nar	nkar	Patil Vaishnavi Dipak	Sawant Megha Dinkar	Tirmare Pratitoho Chang	SIG.	ı ural Deepak Kavsaheb	
0	uruta	Diwan Rahul Vijay	But	hika	ni S	kgr	Patil Vaibhav Dinkar	avi I	ha D	1949		Ra	
am	A An	Rahi	Sush	Sis	eias	Viia	ibha	ishn	Meg	D	T T	Epa	
4	lava	van	waj	폌	nar T	hari	ii Va	il Va	vant	nare		2	
•	2	ă	윤	Ka	3	<u>K</u>	Pat	Pat	Sav	Ë	ŀ	3	
Roll. No.	9	5	806	1909	S	=	1912	13	1916	1010	4.	9 6	
Roll	1906	1907	19	19	1900	9	9	1912	2	2	1	न	
								-	_	+	+	+	4
Sr. No	1	2	æ	4	2	9	7	∞	6	5		1	
₩ 2							47			l	1		- 1



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

Dept. of Physics Academic Year 20 -- 2 CLASS B.Sc. III YEAR

Short term course- Student attedance

ſ	9)15 cm 5 162		9	a	0	Q_	d	٥	A	۵	م	0	
	(d) (5 unc pu 2)			م	a	9	d	b	0	٥	9	4	
	(T) Isant bass	٥	a	. a	9	9	6	d	9	.0	0	Œ	
1	16th Jan 21(P)	0	0	0	0	9	٥	9	d	a	٥	2	
	(T)ISND(M)	9	0	9	۵	9	0	0	0	¢.	0	<u>a</u>	
1	(9)18m2c42	9	0	0	0	9	9	D	d	2	0	9	
	(T) 1500(12	0	9	0	٥	۵	2	d	d	9	a	2	
	(4)1500CM		4	م	4	4	A	A	۵	0	Œ	۵	
	9th Jan 21(T)	9	۵	9	4	d	A	A	d	d	9	9	
	(9) 15 np(48		٥	9	9	2	d	d	d	6	0	0	
	(T)15 CDC 478		2	_	۵	d	4	d	P	P	9	0	
Doto	(d) 12 upc pub	d	P	2	P	b	P	d	e	A	4	0	
	(T) Isanot bas	P	9	d	d	P	P	d	A	A	9	d	
	1st Jan 21 (P)	P	P	9	p	a	0	d	9	9	P	P	
	(T)) cms((T)	d	Q	d	d	æ	P	P	d	6	9	b	
	19th Dec 20 (P)			6	b	4	b	A	d	₩ ₩	d	b	
	19th Dec 20(T)	_			d	4	9	A	9	A		b	
	18A DEC 20(P)		6	P	b	P	P	P	0				
	18th Dec 20(T)	d	P	P	d				d	d	b P	9	
	124 Dec 20 (P)		P	b	P	d d	AP	d	A	9		A P	
	15A Dec 20 (T)		9	1	1 0	0	AII	9	A				LECT.
	11pp Dec 20 (P)	d d	P	6)	,	A	b	1	9	V	-	_
	114 Dec 20(T)	P	7 6	16	4	d		d.	Q.	9	4	P	-
	(T) a c 200 (A) !!	16	f	P	P	b	A	b	d	0	٥	Q	L
	. Name of the Student	Chavan Amruta Aravind		Howal Sushant Vijay	Kamble Nishikant Sanjay	Lohar Tejashri Siddhu	Mithari Vijaykumar Sudhakar	Patil Vaibhav Dinkar	Patil Vaishnavi Dipak	Sawant Megha Dinkar	Tirmare Pratiksha Sharad	Turai Deepak Ravsaheb	
	Roll. No.	9061	1907	1908	1909	1910	1161	1912	1912				
	Sr. No	1	2	3	4	5	9	7	8	6	10		+



Arts, Science and Commerce College, Ramanandnagar (Burli)

Department-Physics

Short Term and Value added courses

Year: 2020-21

Notice -03

Dates: 15/03/2021

All the faculty and members of the committee are informed that the short term course committee meeting will hold on 16/03/2021 in department at 04:30pm. to discuss following subject.

Agenda:

- 1. Syllabus Completion Review.
- 2. To discuss mode of conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhani

Chairman: Ms. N. J. Kamble

Member: Dr. Raut.V.S.

Dr. Patil G. R.

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Short Term Course

Year: 2020-21

Proceeding of Meeting No.-03

Date: 17/03/2021

Meeting of the committee members was held in the department on 16/03/2021 at 04.30pm. The following discussion was made.

- 1. Syllabus Completion Review.
- 2. Discussion is made about the conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhini, Satara.

Following members were present for the meeting.

Chairman: Ms. N. J. Kamble

Member: Dr. Raut. V.S.

Dr. Patil G. R.

Signature

Dr. Patngrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Short Term Course Theory Examination 2020-21

"Maintenance and Repairing of Electrical Home Appliances"

· · · · · · · · · · · · · · · · · · ·	
Name of the Student:	Class: Time: 11:30 to 12:00 pm
Date:	
Roll No:	PRN:
Total Marks · 30	Marks obtained:
TOTAL WIRES - 30	

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	m?
a. 95 %	b. 98.3 %
c. 99.5 %	d. 97.5 %
0. 33.3 70	4.7
3. Which among these is the application of universal	motors?
a. Vacuum cleaners	b. Fans
c. Hair dryers	d. Washing machines
c. Han divers	
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	1. 50 11-
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
o, current	
7. Which of the following refrigerant widely used in	domestic refrigeration?
	b. alcohol
a. Neon	d. Oxygen
c. Ammonia	u. Oxygon

c. nichrome. d. platinum. D. The capacity an air conditioner is expressed in the watt. E. kWh. d. tons. 10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	8. The heating element in an electric iron is usually a. brass.	
d. platinum. 7. The capacity an air conditioner is expressed in a watt. 8. kWh. 8. kWh. 9. HP. 9. d. tons. 10. Which of the following heating method is generally used in electric iron? 10. Which of the following heating method is generally used in electric resistance heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? 12. Which type of magnet is used in an electric bell? 13. Temporary magnet. 14. Which of the following device is responsible for production of the cold liquid in a refrigerator? 15. Condenser. 16. Condenser. 17. Throtting device. 18. Which of the following gas is mainly used inside a electric bulb? 19. A Carbon dioxide gas. 10. Hydrogen gas. 11. Which of the following lamp cannot sustain much voltage fluctuations? 12. Which of the following lamp cannot sustain much voltage fluctuations? 13. Which of the following lamp cannot sustain much voltage fluctuations? 14. Which of the following lamp cannot sustain much voltage fluctuations? 15. Which of the following lamp cannot sustain much voltage fluctuations? 16. Mercury vapour lamp. 17. Which of the following lamp cannot sustain much voltage fluctuations? 18. Fluorescent lamp.		h iron
A. The capacity an air conditioner is expressed in a. watt. b. HP. d. tons. 10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric 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. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. 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. b. Sodium vapour lamp. d. Fluorescent lamp.	c. nichrome.	
b. HP. d. tons. 10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. c. Electromagnet. d. Carbon magnet. d. Carbon magnet. 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. b. Sodium vapour lamp. d. Fluorescent lamp.		d. platifiditi.
b. HP. d. tons. 10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. c. Electromagnet. d. Carbon magnet. d. Carbon magnet. 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. b. Sodium vapour lamp. d. Fluorescent lamp.	9. The capacity an air conditioner is expressed in	
d. tons. 10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. b. Tub. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	a. watt.	ь HD
10. Which of the following heating method is generally used in electric iron? a. Direct resistance heating. b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. b. Tub. c. Agitator. d. Timer. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulh? a. Carbon dioxide gas. c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. d. Fluorescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	c. kWh.	
b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. c. Agitator. d. Timer. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. c. Electromagnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. d. Fluorescent lamp.		d. tons.
b. Indirect resistance heating. c. Dielectric heating. d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. c. Agitator. d. Timer. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. c. Electromagnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. d. Fluorescent lamp.	10. Which of the following heating method is generated	ally used in electric iron?
d. Arc heating. 11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. b. Tub. c. Agitator. d. Timer. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	a. Direct resistance heating.	b. Indirect resistance heating.
11. Which part of washing machine actually perform the cleaning operation of cloth clothes? a. Drain. 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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	c. Dielectric heating.	
a. Drain. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp. d. Fluorescent lamp.		~
a. Drain. c. Agitator. 12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp. d. Fluorescent lamp.	11. Which part of washing machine actually perform	m the cleaning operation of cloth clothes?
12. Which type of magnet is used in an electric bell? a. Temporary magnet. c. Electromagnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. c. Evaporator. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. c. Mercury vapour lamp. d. Fluorescent lamp. d. Fluorescent lamp.	a. Drain.	10 - 0 10 1
a. Temporary magnet. c. Electromagnet. 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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	c. Agitator.	d. Timer.
a. Temporary magnet. c. Electromagnet. 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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		
c. Electromagnet. d. Carbon magnet. 13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. b. Condenser. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. b. Hydrogen gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		
13. Which of the following device is responsible for production of the cold liquid in a refrigerator? a. Compressor. b. Condenser. c. Evaporator. d. Throtting device. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. b. Hydrogen gas. c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		_
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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	c. Electromagnet.	d. Carbon magnet.
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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	12 Which of the following device is responsible for	production of the cold liquid in a
a. Compressor. c. Evaporator. 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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		production of the cold inquite in
c. Evaporator. 14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. b. Hydrogen gas. c. Inert gas. 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	3	b. Condenser.
14. Which of the following gas is mainly used inside a electric bulb? a. Carbon dioxide gas. b. Hydrogen gas. c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	-	d. Throtting device.
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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	and the second s	· ·
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. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	14. Which of the following gas is mainly used inside	e a electric bulb?
c. Inert gas. d. Helium gas 15. Which of the following lamp cannot sustain much voltage fluctuations? a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		
a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.		d. Helium gas
a. Incandescent lamp. b. Sodium vapour lamp. c. Mercury vapour lamp. d. Fluorescent lamp.	16 XXVII 64b - 6-11	ch voltage fluctuations?
c. Mercury vapour lamp. d. Fluorescent lamp.		
	_	• •
COLCE FOR ROUGH WORK	c. Mercury vapour lamp.	d. Fluorescent lamp.
SPACE FOR ROUGH WORK	SPACE FOR ROUGH WORK	

Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli) Dept. of Physics

Short Term Course

"Maintenance and Repairing of Electrical Home Appliances" Final Result 2020-21

Sr. No.	Roll. No.	Name of the student	Marks obtained out of 30
		Chavan Amruta Aravind	30
1	1906		28
2	1907	Diwan Rahul Vijay	26
3	1908	Howal Sushant Vijay	28
4	1909	Kamble Nishikant Sanjay	
	1910	Lohar Tejashri Siddhu	28
5		Mithari Vijaykumar Sudhakar	26
6	1911		30
7	1912	Patil Vaibhav Dinkar	26
8	1913	Patil Vaishnavi Dipak	26
9	1914	Sawant Megha Dinkar	
	1915	Tirmare Pratiksha Sharad	28
10		Turai Deepak Ravsaheb	28
11	1916	Turai Deepak Russia	

Coordinator

(Miss. Kamble N.J)

Thedd Capartmontphysicsics Arts, Science & Commorer College, Ramanandnagar (Lu...)



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

Tal- Palus, Dist-Sangli





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

of B.Sc.III Physics has successfully completed the Short Term Course

"Maintenance and Repairing of Electrical Home Appliances" in the year

2020-21.

Co-ordinator

Head Department of Physics.

Principal

Arts, Science and Commerce College, Ramanandnagar (Burli) Department- Physics

Short Term and Value added courses

Year: 2020-21

Experiential feelings

After complition of the short term course- "Maintenance and Repairs of Electric Domestic Appliances" and a value added course on Importance of Earthing, the students admitted to this course got fruitful knowledge about maintenance and repairing of electric appliances as well as how on Importance of learning. 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 eassy, therefore it is neccessary to know about the appliances. This was achieved by conducting this short term course.