


रयत शिक्षण संस्थेचे,
कला , विज्ञान व वाणिज्य महाविद्यालय मोखाडा. जि-पालघर.

दि.२८/११/२०१९

विद्यार्थी सूचना

भौतिकशास्त्र विभागामार्फत घेण्यात येणाऱ्या Short term Course
"Repaire & Maintenance Domestic Appliances" मध्ये प्रवेश घेतलेल्या
विद्यार्थ्यांना कळविण्यात येते की, ०२/१२/२०१९ पासून कोर्स सुरु होत आहे , तरी
त्यांनी भौतिकशास्त्र विभागात स. १०:०० वा. उपस्थित रहावे.

वेळापत्रक काचफलकात लावण्यात आले आहे.


समन्वयक




Principal
Arts, Science & Commerce, College
Mokhada, Dist. Palghar

Rayat Shikshan Sanstha's
Arts, Science & Commerce College, Mokhada,
Dist. Palghar

Department of Physics
Short Term Course- Certificate course in Repair & Maintenance of Domestic Appliances

Time Table

Sr No	Time/ Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Theory 10:00 am to 11:00 am	Prof. Vitnor S.K.	Prof.Sonawane P.T.	Prof. Vitnor S.K.	Prof.Sonawane P.T.	Prof. Vitnor S.K.	Prof.Sonawane P.T.
2	Practical 2:00 pm To 5:00 pm		Practical	Practical			Practical



Vitnor S.K.








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Art, Science and Commerce College, Mokhada Tal- Mokhada
Dist-Palghar

Department of Physics
Short term Course-Rapair & Maintenance of Domestic Appliances

Lectures Allotment

Sr.No	Name of Lectures	Topic Name	Signature
1	Prof. Vitnor S.K.	Unit 1] Electric Iron 1.1 Working principle 1.2 Construction details of appliances 1.3 Types of appliances 1.4 Common defects in appliances 1.5 Testing method 1.6 Repairing procedure 1.7 Troubleshooting chart of appliances	
2	Prof. Sonawane P.T.	Unit 2] Electric Geysers 2.1 Description of different types of water heaters like non pressure and pressure type 2.2 Installation 2.3 Connection diagram, 2.4 Possible faults geysers 2.5 Removals	
3	Prof. Vitnor S.K.	Unit 3] Electric Fans 3.1 Description of ceiling and table fan 3.2 Common defects in fan 3.3 Testing methods 3.4 Repairing procedure 3.5 Troubleshooting chart	
4	Prof. Sonawane P.T.	Unit 4] Electric Mixer 4.1 Description of internal structure 4.2 Possible fault 4.3 Their remedies	
5	Prof. Vitnor S.K.	Unit 5] Electric Microwave Oven 5.1 Description of Microwave oven 5.2 Construction of Microwave oven 5.3 Common defects in Microwave oven 5.4 Repairing Procedure / removals	




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Department of Physics
Short term Course-Rapair & Maintenance of Domestic Appliances
Syllabus

Theory: (15 Lectures)

Unit 1] Electric Iron

- 1.1 Working principle
- 1.2 Construction details of appliances
- 1.3 Types of appliances
- 1.4 Common defects in appliances
- 1.5 Testing method
- 1.6 Repairing procedure
- 1.7 Troubleshooting chart of appliances

Unit 2] Electric Geysers

- 2.1 Description of different types of water heaters like non-pressure and pressure type
- 2.2 Installation
- 2.3 Connection diagram
- 2.4 Possible faults geysers
- 2.5 Removals

Unit 3] Electric Fans

- 3.1 Description of ceiling and table fan
- 3.2 Common defects in fan
- 3.3 Testing methods
- 3.4 Repairing procedure
- 3.5 Troubleshooting chart

Unit 4] Electric Mixer

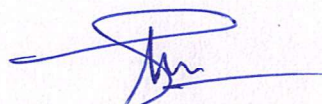
- 4.1 Description of internal structure
- 4.2 Possible fault
- 4.3 Their remedies

Unit 5] Electric Microwave Oven

- 5.1 Description of Microwave oven
- 5.2 Construction of Microwave oven
- 5.3 Common defects in Microwave oven
- 5.4 Repairing Procedure / removals

Practical's (45 lectures)

- 1) Electric Iron: testing & repairing
- 2) Electric Geyser: connection diagram, faults & repairing
- 3) Electric Fans: Defects, testing & repairing
- 4) Electric Mixer: Possible faults & their remedies
- 5) Electric Microwave oven: common defects & repairing


Vitnos S.K.



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Rayat Shikshan Sanstha's
Arts, Science and Commerce College Mokhada, Dist. Palghar
Department of Physics
Short Term Course
Academic Year 2019-2020
Repair and Maintenance of Domestic Appliances

Student List

Sr. No.	Name	Class
1	/Batre Bhaarti Ashok	TY BSc Physics
2	Bhamare Manish Dagadu	TY BSc Physics
3	Chaudhari Rushikesh Mahadev	TY BSc Physics
4	Dahale Atul Raju	TY BSc Physics


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दि.०४/०२/२०२०

भौतिकशास्त्र विभाग

विद्यार्थी सूचना

महाविद्यालयातील Repair & Maintenance of Domestic Appliances (Short term Course) कोर्सच्या सर्व विद्यार्थ्यांना कळविण्यात येते की, फेब्रुवारी २०२० मध्ये होणाऱ्या लेखी तसेच प्रात्यक्षिक परीक्षेचे वेळापत्रक नोटीस बोर्डवर लावण्यात आले आहे. याची विद्यार्थ्यांनी नोंद घ्यावी.



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Arts, Science & Commerce College , Mokhada
Tal. Mokhada Dist.Palghar

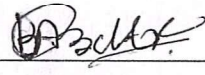

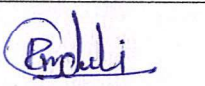
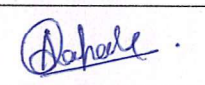
ATTENDANCE

Short Term Course Examination (2019-2020)

Class: T.Y. B.Sc.

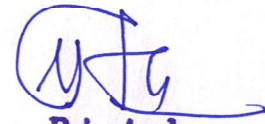
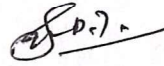
Date: 13/02/20 20

Sub: Repairing and maintenance of Domestic Appliances

Sr. No.	Student Name	Signature
1	Batre Bharti Ashok	
2	Bhamare Manish Dagadu	
3	Chaudhari Rushikesh Mahadev	
4	Dahale Atul Raju	

Examiner

1. Prof. Sonawane P. T.


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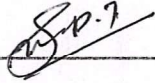
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Arts, Science & Commerce College, Mokhada,
Dist. Palghar
Department of Physics
Repair & Maintenance of Domestic Appliances (Short term Course)
Theory Exam Feb. 2020

Marksheet

Sr. No.	Roll No.	Student Name	Marks Max. 50
1	8835	Batre Bharati Ashok	29
2	8836	Bhamare Manish Dagadu	31
3	8837	Chaudhari Rushikesh Mahadev	33
4	8838	Dahale Atul Raju	31

Examiner

2. Prof. P.T.Sonawane






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Rayat Shikshan Sanstha's
Arts ,Science& Commerce College Mokhada, Dist-Palghar

Date:04/02/2020


Repair & Maintenance of Domestic Appliances (Short term Course)
Practical Examination Feb-2020 Time Table

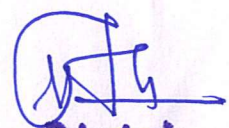
Sr.No	Day / Date	Time	Seat No.	Total Students
1	Wednesday 12/02/2020	08:30 am to 10:30 am	8835 to 8838	04

Instruction

1. The candidates should be Present at least 15 minutes before the start of practical examination. Candidates coming late may not be examined.
2. Candidate Should bring along them Certified journal.
3. Students should bring their college Identity Card.
4. Use of Mobile phones and other electronic gazettes are strictly prohibited in the examination hall.



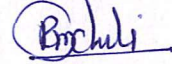




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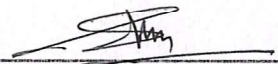

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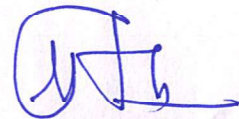
Rayat Shikshan Sanstha's
Arts, Science & Commerce College, Mokhada,
Dist. Palghar
Department of Physics
Repair & Maintenance of Domestic Appliances (Short term Course)
Practical Exam Feb. 2020

Attendance

Sr. No.	Roll No.	Student Name	Signature
1	8835	Batre Bharati Ashok	
2	8836	Bhamare Manish Dagadu	
3	8837	Chaudhari Rushikesh Mahadev	
4	8838	Dahale Atul Raju	

Examiner

1. Prof. S.K.Vitnor 



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Dist. Palghar
Department of Physics
Repair & Maintenance of Domestic Appliances (Short term Course)
Practical Exam Feb. 2020

Marksheet

Sr. No.	Roll No.	Student Name	Marks Max. 50
1	8835	Batre Bharati Ashok	38
2	8836	Bhamare Manish Dagadu	40
3	8837	Chaudhari Rushikesh Mahadev	45
4	8838	Dahale Atul Raju	43

Examiner

1. Prof. S.K.Vitnor



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**Rayat Shikshan Sanstha's
Arts Science & Commerce College Mokhada,
Dist. Palghar**



Short term course: Repair & Maintenance of Domestic Appliances

Time: 2 hrs

Marks: 50

-
- Q.1 Attempt any one. 10**
- a) Write the method of testing and repairing of non-automatic and automatic electric irons and draw figures also.
- b) Write the method of dismantling and reassembling of an electric iron. Write the precautions which will take at the time of fitting.
- Q.2 Attempt any one. 10**
- a) What is the use of water heaters? What are its types?
- b) What possible faults may be in the water heater and how will you remove them?
- Q.3 Attempt any one. 10**
- a) Draw the internal structure diagram of table fan.
- b) Draw the labeled diagram of ceiling fan.
- Q.4 Attempt any one. 10**
- a) Write constructional details of an electric mixer.
- b) What faults may be possible in an electric mixer and how will you remove them?
- Q.5 Attempt any one. 10**
- a) Write constructional details of microwave oven.
- b) What faults may be possible in microwave oven and how will you remove them?

Vithor S.K.

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Arts, Science & Commerce College, Mokhada,
Dist. Palghar
Department of Physics
Repair & Maintenance of Domestic Appliances (Short term Course)
Exam Feb. 2020

Marksheet

Sr. No.	Roll No.	Student Name	Marks		Total
			Theory	Practical	Max.
			Max. 50	Max. 50	100
1	8835	Batre Bharati Ashok	29	38	67
2	8836	Bhamare Manish Dagadu	31	40	71
3	8837	Chaudhari Rushikesh Mahadev	33	45	78
4	8838	Dahale Atul Raju	31	43	74

Examiner

1. Prof. S.K.Vitnor



2. Prof. P.T.Sonawane



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Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Mokhada, Dist. Palghar
Department of Physics

2019-2020

**Short Term/Certificate Course on Repairs and Maintenance of Domestic
Appliances**

Report

To make students aware about Repairs and Maintenance of Domestic Appliances a short term course is carried out by department of Physics. Total 04 students were admitted to the course. The programming techniques were taught to the students through theory and practical. Depth of knowledge perception in the students was assessed by theory and practical examination. All students have successfully completed the course.



A handwritten signature in blue ink, appearing to be "S. An".

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A handwritten signature in blue ink, appearing to be "A. J. B.". Below the signature is the word "Principal" in a bold, sans-serif font.

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Mokhada, Dist. Palghar