



“Dissemination of Education through Knowledge, Science and Culture”
-Shikshanmaharshi Dr. BapujiSalunkhe

Shri Swami Vivekanand ShikshanSanstha's Kolhapur

**PADMABHUSHAN DR. VASANTRAODADA PATIL
MAHAVIDYALAYA TASGAON DIST- SANGLI
416 312 (Maharashtra) Phone No: (02346)250665
(Affiliated to Shivaji University, Kolhapur)**

DEPARTMENT OF PHYSICS

CERTIFICATE COURSE

**Operation and Management of
Cold Storage**

2019-2020

Department of Physics,
Padmabhushan Dr. Vasantodada
Patil Mahavidyalaya, Tasgaon
Dist-Sangli
02/08/2019

To,
The Principal,
Padmabhushan Dr. Vasantodada Patil Mahavidyalaya,
Tasgaon, Dist-Sangli

Subject -: Permission for conducting Certificate course - Operation and
Management of Cold Storage

Respected Sir,

The department of physics conducting Certificate course of Operation
and Management of Cold Storage from 16/09/2019.

I kindly request you to give permission for run the above said certificate
course.

Thanking you.



Yours Faithfully,



Dr. J. S. Ghodake

Head,

**Department of Physics,
Padmabhushan Dr. Vasantodada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)**

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Shri Swami Vivekanand Shikshan Sanstha Kolhapur's
Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya, Tasgaon
Department of Physics

BOARD OF STUDY

2019-2020

Board of studies member in Certificate course in Operation and Management of Cold Storage are

1)	Dr. J. S. Ghodake	Physics, PDVP College, Tasgaon
2)	Dr. S. S. Patil	Chemistry, PDVP College, Tasgaon
3)	Mr. B. S. Harale	Physics, PDVP College, Tasgaon
4)	Mr. S. S. Shinde	Physics, PDVP College, Tasgaon
5)	Mr. G. S. Pawar	Physics, PDVP College, Tasgaon
6)	Mr. S. S. Patil	Physics, PDVP College, Tasgaon


Dr. J. S. Ghodake
Head,

Department of Physics,
Padmabhushan Dr. Vasantrodada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)


Dr. Milind S. Hujare
Principal

Padmabhushan Dr. Vasantrodada Patil
Mahavidyalaya, Tasgaon, (Sangli)



''ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार'' - शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

PADMABHUSHAN DR. VASANTODADA PATIL MAHAVIDYALAYA

TASGAON, Dist. Sangli, Pin- 416 312 ☎ - STD : 02346-250665, 250575 FAX : 250575

● **Affiliated to Shivaji University, Kolhapur** ●

E-mail : san.pdvpmtas@gmail.com Website : www.pdvpmtasgaon.edu.in

Established Year : June 1962 ▶ P. B. No. : 14 ▶ Jr. College No. : J22-10-001 ▶ Sr. College Code No. : $\frac{SI/AC/4}{X}$ Jr.: C-8



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**Shikshanmaharshi
Dr. Bapuji Salunkhe**
B.A., B.T., D.Litt.
FOUNDER

Hon. Chandrakant (Dada) Patil
PRESIDENT
B.Com.
Ex- Minister of Revenue, Public Works
Govt. of Maharashtra

Prin. Abhaykumar Salunkhe
M.A.
CHAIRMAN

Prin. Mrs. Shubhangi Gawade
M.Sc. B.Ed.
SECRETARY

Dr. Milind S. Hujare
M.Sc., Ph.D.
PRINCIPAL

Ref.No. : PDVPMT /

Date : 05/08/2019

To,
Mr. S. S. Shinde,
Department of Physics,
P. D. V. P. College,
Tasgaon

Subject: BOS/Syllabus committee Meeting

Sir

You are appointed as Member of Board of Studies (BOS) in Certificate course in Operation and Management of Cold Storage in our college during academic year 2019-2020.

The meeting of BOS is conveyed on 10/08/2019 for the preparation of syllabus of Certificate course in Operation and Management of Cold Storage. You are kindly requested to attend the meeting at 2.30 pm in Physics department.


IQAC, Director


Dr. Milind S. Hujare
Principal
Padmabhushan Dr. Vasantodada Patil
Mahavidyalaya, Tasgaon, (Sangli)



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Dr. Milind S. Hujare
M.Sc., Ph.D.
PRINCIPAL

Ref.No. : PDVPMT /

Date : 05/08/2019

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Department of Physics,
P. D. V. P. College,
Tasgaon

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Dr. Milind S. Hujare
M.Sc., Ph.D.
PRINCIPAL

Ref.No. : PDVPMT /

Date : 05/08/2019

To,
Mr. B. S. Harale,
Department of Physics,
P. D. V. P. College,
Tasgaon

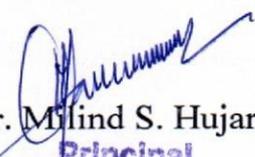
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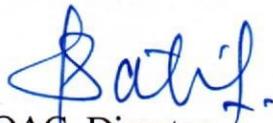
To,
Mr. S. S. Patil,
Department of Physics,
P. D. V. P. College,
Tasgaon

Subject: BOS/Syllabus committee Meeting

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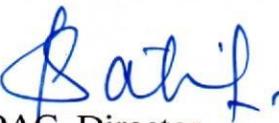
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Department of Physics,
P. D. V. P. College,
Tasgaon

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Ref.No. : PDVPMT /

Date : 05/08/2019

To,
Dr. S. S. Patil,
Department of Chemistry,
P. D. V. P. College,
Tasgaon

Subject: BOS/Syllabus committee Meeting

Sir

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Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya, Tasgaon
Department of Physics

Date-05/08/2019

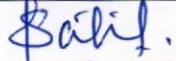
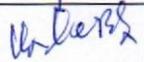
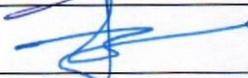
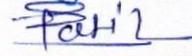
MEETING NOTICE

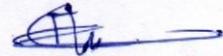
All members of the BOS in Certificate course in Operation and Management of Cold Storage are hereby informed that a meeting is convened on 10/08/2019 at 2.30 p. m. in the departmental cabin. All the respected members are requested to attend the meeting to discuss the following agenda.

Agenda:

1. Preparation of syllabus of certificate course
2. Time table and Workload
3. Syllabus distribution
4. Any other issue raised with prior permission of Chairperson.

Following members are present on this meeting.

Sr. No.	Name of the faculty	Signature
1)	Dr. J. S. Ghodake	
2)	Dr. S. S. Patil	
3)	Mr. B.S. Harale	
4)	Mr. S. S. Shinde	
5)	Mr. G. S. Pawar	
6)	Mr. S. S. Patil	

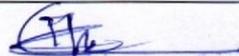
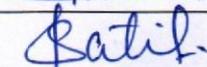
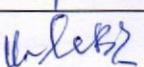
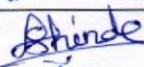
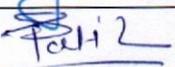

Dr. J. S. Ghodake
Head,
Department of Physics,
Padmabhushan Dr. Vasantrodada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)

Minutes of Meeting

The minutes of the meeting are given below

1. During the meeting syllabus of certificate course in Operation and Management of Cold Storage are prepared. It contains two papers in which first theory paper of Management of Cold Storage and second paper of practicals of Cold Storage systems are discussed. The responsibility of preparation of syllabus was given to Mr. S. S. Patil
2. The issue regarding time table and workload distribution discussed. It has been decided to start course from September 2019. The faculty member is appointed for teaching the syllabus and practicals.
3. The responsibility of completion of syllabus is given to teacher Mr. Y. S. Pandit.

Following members are present on this meeting.

Sr. No.	Name of the faculty	Signature
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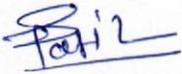
Shri Swami Vivekanand Shikshan Sanstha's
Padmabhushan Dr. Vasanttraodada Patil Mahavidyalaya, Tasgaon (Dist. Sangli)
DEPARTMENT OF PHYSICS

Notice

11/09/2019

All the students of B. Sc. III are hereby informed that, lectures for certificate course in "Operation and Management of Cold Storage" will be started from 16/09/2019 as per timetable displayed on notice board.

All students must be remain present in time.



Mr. S. S. Patil
Co- coordinator



Dr. J. S. Ghodake
Head,

Department of Physics,
Padmabhushan Dr. Vasanttraodada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)



Dr. Milind S. Hujare
Principal
Padmabhushan Dr. Vasanttraodada Patil
Mahavidyalaya, Tasgaon, (Sangli)

Aims and Objectives

Students acquire knowledge about functioning and use of electrical – electronic parts of cooling system and accessories. Also create awareness about refrigeration system. The students who completed this course are competent in cold storage system and acquire knowledge about refrigeration system.

After completion of this course students are able to operate cold storage, manage cold storage, repair and maintain cold storage systems and can get job opportunities in a commercial cold storage.

1. Testing of electrical and electronic parameters, cables.

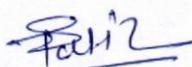
Trouble shoot the faults in the given power supply circuits.

2. Identify electronics-electrical parts/components/modules of the cold storage.
3. Practice on handling of commodities in cold storage,
4. Handling and combination of commodities in cold storage.
5. Faults finding and rectification of refrigeration system.
6. Practice on operating systems of cold storage

Undergraduate students upon graduation with a Bachelor degree in Sciences:

LEARNING OUTCOMES (knowledge, skills and competence):

1. Students acquire knowledge about functioning and use of electrical - electronic parts of cooling system and accessories Also create awareness about refrigeration system. The students who completed this course are competent in cold storage, manage cold storage, repair and maintain cold storage system.
2. Operate of cold storage
3. Handle of commodities in cold storage.
4. Repair and maintenance of cold storage system
5. Duration of course: One month.
6. Eligibility to course: 12th, B. A., B. Com, B.Sc.
7. Admission: Entire 12th, B. A., B. Com, B.Sc.Students.


Mr. S. S. Patil
Co- coordinator


Dr. J. S. Ghodake
Head,
Department of Physics,
Padmabhushan Dr. Vasantodada Patil
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Dr. Milind S. Hujare
Principal
Padmabhushan Dr. Vasantodada Patil
Mahavidyalaya, Tasgaon, (Sangli)

Syllabus

Certificate course in Operation and Management of Cold Storage

Theory [Total periods: 15]

Paper I: Management of Cold Storage

Unit I (05 hours)

1. Operation of cold storage

1.1 Principle of refrigeration and vapour compression system 1.2 Components of refrigeration and vapour compression system. 1.3 Classification of refrigeration's and their properties 1.4 Effects of refrigeration's on environment. 1.5 Concept of refrigeration and air conditioning tutor.

Unit II (05 hours)

2. Commodities and inventory management in coldstorage -

2.1 Concept of storage of dried grapes 2.2 Practice of handling of dried grapes 2.3 Storage requirements for different commodities 2.4 Mechanism and air conditioning system of cold storage. 2.5 Concept of controlled and modified atmospheric storage.

Unit III (05 hours)

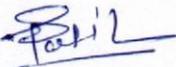
3. Repair and maintenance of cold storage system-

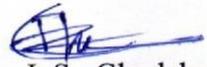
3.1 Basic maintenance of cold storage. 3.2 Identify faults in refrigeration system 3.3 Rectify faults in refrigeration system

Practical [Total periods: 15]

Paper II: Operation of Cold Storage

1. Practical study on handling and storage of Commodities in cold storage.
2. Faults finding in refrigeration system
3. Rectification of faults in refrigeration system
4. Training on operation systems of cold storage.
5. Temperature maintains in cold storage


Mr. S. S. Patil
Co- coordinator


Dr. J. S. Ghodake
Head,
Department of Physics,
Padmabhushan Dr. Vasantaoada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)

Dr. Milind S. Hujare

Principal
Padmabhushan Dr. Vasantaoada Patil
Mahavidyalaya, Tasgaon, (Sangli)

Evaluation System:

- **Theory paper:** **50 M**
Nature of the Theory examination
Q. 1) Multiple choice questions.
Choose the most correct alternative out of four alternatives a, b, c and d

- **Practical Course** **50 M**
Nature of Practical examination
a. Oral/Viva

Certification: A certificate will be issued on successful completion of the course.

"Dissemination of Education for Knowledge, Science and Culture"

--- Shikshanmaharshi Dr. BapujiSalunkhe

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya Tasgaon Dist-Sangli

Department of Physics

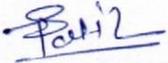
Certificate Course in

OPERATION AND MANAGEMENT OF COLD STORAGE

Time Table

2019-2020

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.00am-11.00am	--	--	--	--	--	Practical
10.00am-11.00am	Theory	Theory	Theory	--	--	--



Mr. S. S. Patil
Co- coordinator



Dr. J. S. Ghodake
Head,
Department of Physics,
Padmabhushan Dr. Vasantrodada Patil
Mahavidyalaya, Tasgaon, (Dist. Sangli)



Dr. Milind S. Hujare
Principal
Padmabhushan Dr. Vasantrodada Patil
Mahavidyalaya, Tasgaon, (Sangli)

"Dissemination of Education for Knowledge, Science and Culture"-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur
Padmabhushan Dr. Vasantoraodada Patil Mahavidyalaya Tasgaon Dist-Sangli

Department of Physics

Certificate Course in

"Operation and Management of Cold Storage"

2019-2020

Enrolled List of Students

Sr. No.	Roll No.	Name of the student	Class	Signature
1	5601	Burle Monika Mahadev	B. Sc. II	<u>msurle</u>
2	5602	Gaikwad Pratiksha Tanaji	B. Sc. II	<u>Gaikwad</u>
3	5603	Hajare Vaishnavi Arjun	B. Sc. II	<u>Vaishnavi</u>
4	5604	Jadhav Aditi Sadashiv	B. Sc. II	<u>Aditi Jadhav</u>
5	5605	Jadhav Divya Ravindra	B. Sc. II	<u>Divya Jadhav</u>
6	5606	Kadam Gautam Husheni	B. Sc. II	<u>Kadam</u>
7	5607	Kamble Vrushali Pradip	B. Sc. II	<u>Vrushali Kamble</u>
8	5608	Mali Rushikesh Ganpati	B. Sc. II	<u>Mali R.G.</u>
9	5609	More Swapnil Anandrao	B. Sc. II	<u>S.A. More</u>
10	5610	Mujawar Irfan Harun	B. Sc. II	<u>Irfan Mujawar</u>
11	5611	Mujawar Sahil Salim	B. Sc. II	<u>Sahil Mujawar</u>
12	5612	Nirgude Shreyas Digambar	B. Sc. II	<u>Nirgude</u>
13	5613	Patil Aniket Adhik	B. Sc. II	<u>Patil</u>
14	5614	Patil Arya Suresh	B. Sc. II	<u>Patil AS</u>
15	5615	Pawar Prasad Chandrakant	B. Sc. II	<u>P.C. Pawar</u>
16	5616	Budhavale Sagar Ashok	B. Sc. II	<u>SABudhavale</u>
17	5617	Chavan Tejashree Shreekant	B. Sc. II	<u>TSchavan</u>
18	5618	Dabhade Rani Prandharinath	B. Sc. II	<u>R.P. Dabhade</u>
19	5619	Desai Prathmesh Sanjay	B. Sc. II	<u>P.Desai</u>
20	5620	Dhabugade Rushikesh Dilip	B. Sc. II	<u>R.Dhabugade</u>
21	5621	Dhisale Vinod Balaso	B. Sc. II	<u>V.B. Dhisale</u>

22	5622	Gaikwad Prajakta Nagesh	B. Sc. II	<u>P. N. Gaikwad</u>
23	5623	Jadhav Jyoti Sampat	B. Sc. II	<u>J. Jadhav</u>
24	5624	Jadhav Omkar Suresh	B. Sc. II	<u>O. Jadhav</u>
25	5625	Jamadade Rutuja Vijay	B. Sc. II	<u>R. V. Jamadade</u>
26	5626	Koli Tushar Chandrakant	B. Sc. II	<u>T. C. Koli</u>
27	5627	Kumbhar Vrushali Bharat	B. Sc. II	<u>V. Kumbhar</u>
28	5628	Kumbhar Kedar Shivaji	B. Sc. II	<u>K. S. Kumbhar</u>
29	5629	Lokhande Shubham Vishwanath	B. Sc. II	<u>S. Lokhande</u>
30	5630	Malkar Neha Bharat	B. Sc. II	<u>Malkar N. B.</u>
31	5631	Mane Mohini Sandip	B. Sc. II	<u>M. Mane</u>
32	5632	Mane Nilam Sampat	B. Sc. II	<u>Mane N. S.</u>
33	5633	Mohite Dipti Dinkar	B. Sc. II	<u>D. D. Mohite</u>
34	5634	Mohite Shweta Machindra	B. Sc. II	<u>S. M. Mohite</u>
35	5635	Mulla Misbah Jamirahmad	B. Sc. II	<u>M. Mulla</u>
36	5636	Patil Akshada Ganapati	B. Sc. II	<u>A. Patil</u>
37	5637	Patil Amruta Anil	B. Sc. II	<u>Patil A. A.</u>
38	5638	Patil Ankita Shankar	B. Sc. II	<u>A. Patil</u>
39	5639	Patil Asavari Shivaji	B. Sc. II	<u>Patil AS</u>
40	5640	Patil Bhagyashri Ramesh	B. Sc. II	<u>B. R. Patil</u>
41	5641	Patil Snehal Prakash	B. Sc. II	<u>S. Patil</u>
42	5642	Patil Sonali Balaso	B. Sc. II	<u>S. Patil</u>
43	5643	Patil Vitthal Jaysing	B. Sc. II	<u>V. Patil</u>
44	5644	Patil Yashoda Yashwant	B. Sc. II	<u>Y. Patil</u>
45	5645	Patil Yashoda Yashwant	B. Sc. II	<u>Y. Y. Patil</u>
46	5646	Pawar Aishwarya Dhanaji	B. Sc. II	<u>A. Pawar</u>
47	5647	Pawar Pranav Pandurang	B. Sc. II	<u>P. Pawar</u>

48	5648	Pawase Nutan Sambhaji	B. Sc. II	<u>NPawase</u>
49	5649	Sabale Swapnali Rajendra	B. Sc. II	<u>S.R. Sabale</u>
50	5650	Sakhare Pallavi Mahadev	B. Sc. II	<u>PSakhare</u>
51	5651	Savvashe Snehal Arun	B. Sc. II	<u>S.A. Savvashe</u>
52	5652	Shendage Prachi Rajendra	B. Sc. II	<u>PRShendage</u>
53	5653	Shinde Ashish Ashokrao	B. Sc. II	<u>AShinde</u>
54	5654	Suryawanshi Komal Balaso	B. Sc. II	<u>KomalB.</u>
55	5655	Suryawanshi Pradnya Anil	B. Sc. II	<u>PSATAS.</u>
56	5656	Suryawanshi Snehal Arun	B. Sc. II	<u>(S)nehal</u>
57	5657	Watharkar Alias Aditi Suresh	B. Sc. II	<u>AditiW</u>
58	5658	Zarekar Snehal Mahadev	B. Sc. II	<u>Zarekar</u>
59	5659	Zende Gouri Subhash	B. Sc. II	<u>ZGS.</u>
60	5721	Awate Pravin Tanaji	B. Sc. II	<u>Pravin P.T.</u>
61	5722	Babar Tejas Kundlik	B. Sc. II	<u>BabarT.</u>
62	5723	Bargule Omkar Shankar	B. Sc. II	<u>(B)S</u>
63	5724	Bile Adarshrao Sitaram	B. Sc. II	<u>A.S. Bile.</u>
64	5725	Birane Vishvjit Gajanan	B. Sc. II	<u>VBirane</u>
65	5726	Bobade Smita Shashikant	B. Sc. II	<u>SS. Bobade</u>
66	5727	Chavan Saurabh Shivaji	B. Sc. II	<u>Saurabh</u>
67	5728	Chougule Pratima Prashant	B. Sc. II	<u>CP</u>
68	5729	Gadave Sanket Sidhaling	B. Sc. II	<u>SGadave</u>
69	5730	Gaikwad Raturaj Rajendra	B. Sc. II	<u>RR</u>
70	5731	Gaikwad Vishwajeet Dattatray	B. Sc. II	<u>VDattatray</u>
71	5732	Ghatage Pratiksha Satish	B. Sc. II	<u>Ghatage . P.S</u>
72	5733	Gole Sourabh Dinkar	B. Sc. II	<u>SDGole</u>
73	5734	Hingmire Prajakta Ravindra	B. Sc. II	<u>(P)Rajakta</u>

74	5735	Jadhav Akshay Govind	B. Sc. II	<u>Akshay</u>
75	5736	Jadhav Atul Narayan	B. Sc. II	<u>Atul</u>
76	5737	Jadhav Jeevan Balaso	B. Sc. II	<u>Jeevan</u>
77	5738	Jadhav Madhavi Krushnat	B. Sc. II	<u>Madhavi</u>
78	5739	Jadhav Pratik Vishnu	B. Sc. II	P. V. Jadhav.
79	5740	Khedkar Suraj Hanmant	B. Sc. II	<u>Suraj</u>
80	5741	Koli Priyanka Popat	B. Sc. II	<u>Priyanka</u>
81	5742	Mali Swapnil Khandu	B. Sc. II	<u>Swapnil Mali</u>
82	5743	Mane Murlidhar Piraji	B. Sc. II	<u>Murlidhar</u>
83	5744	Mane Ravaso Hindurao	B. Sc. II	<u>Ravaso</u>
84	5745	Mane Rutik Raghunath	B. Sc. II	<u>R. R. Mane</u>
85	5746	Mengudale Priyanka Basveshwar	B. Sc. II	<u>Priyanka</u>
86	5747	More Ajay Vishnu	B. Sc. II	<u>Ajay</u>
87	5748	Nalawade Akash Ananda	B. Sc. II	<u>Akash</u>
88	5749	Nikam Pravin Dhanaji	B. Sc. II	<u>Pravin Nikam</u>
89	5750	Nimbalkar Suraj Popat	B. Sc. II	<u>S. P. Nimbalkar</u>
90	5751	Nimbalkar Sushant Baburao	B. Sc. II	<u>Sushant</u>
91	7552	Patil Abhishek Ravindra	B. Sc. II	<u>Abhishek</u>
92	5753	Patil Arpita Anil	B. Sc. II	<u>Arpita Patil</u>
93	5754	Patil Avinash Ashok	B. Sc. II	<u>Avinash</u>
94	5755	Patil Nikita Nagesh	B. Sc. II	<u>N. N. Patil</u>
95	5756	Patil Omkar Suresh	B. Sc. II	<u>Omkar</u>
96	5757	Patil Onkar Ashok	B. Sc. II	<u>O. A. Patil</u>
97	5758	Patil Prajakta Sanjay	B. Sc. II	<u>Prajakta</u>
98	5759	Patil Prashant Maruti	B. Sc. II	<u>P. M. P.</u>
99	5760	Patil Prathmesh Manik	B. Sc. II	<u>Prathmesh</u>

100	5761	Patil Rushikesh Mahadev	B. Sc. II	<u>Rushi</u>
101	5762	Patil Rutuja Rajendra	B. Sc. II	<u>Rutuja Patil</u>
102	5763	Patil Sangram Chandrakant	B. Sc. II	<u>S. C. Patil.</u>
103	5764	Patil Saurabh Suryakant	B. Sc. II	<u>Saurabh</u>
104	5765	Patil Snehal Ramchandra	B. Sc. II	<u>Snehal</u>

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Department of Physics

Certificate Course in

"Operation and Management of Cold Storage"

2019-2020

Attendance of Examination

Sr. No.	Roll No.	Name of the student	Class	Signature
1	5601	Burle Monika Mahadev	B. Sc. II	<u>M. Burle</u>
2	5602	Gaikwad Pratiksha Tanaji	B. Sc. II	<u>Pratiksha Gaikwad</u>
3	5603	Hajare Vaishnavi Arjun	B. Sc. II	<u>Vaishnavi Hajare</u>
4	5604	Jadhav Aditi Sadashiv	B. Sc. II	<u>Aditi Jadhav</u>
5	5605	Jadhav Divya Ravindra	B. Sc. II	<u>Divya Jadhav</u>
6	5606	Kadam Gautam Husheni	B. Sc. II	<u>Gautam Kadam</u>
7	5607	Kamble Vrushali Pradip	B. Sc. II	<u>Vrushali Kamble</u>
8	5608	Mali Rushikesh Ganpati	B. Sc. II	<u>Rushikesh Mali</u>
9	5609	More Swapnil Anandrao	B. Sc. II	<u>Swapnil More</u>
10	5610	Mujawar Irfan Harun	B. Sc. II	<u>Irfan Mujawar</u>
11	5611	Mujawar Sahil Salim	B. Sc. II	<u>Sahil Mujawar</u>
12	5612	Nirgude Shreyas Digambar	B. Sc. II	<u>Shreyas Nirgude</u>
13	5613	Patil Aniket Adhik	B. Sc. II	<u>Aniket Patil</u>
14	5614	Patil Arya Suresh	B. Sc. II	<u>Arya Patil</u>
15	5615	Pawar Prasad Chandrakant	B. Sc. II	<u>Prasad Pawar</u>
16	5616	Budhavale Sagar Ashok	B. Sc. II	<u>Sagar Budhavale</u>
17	5617	Chavan Tejashree Shreekant	B. Sc. II	<u>Tejashree Chavan</u>
18	5618	Dabhade Rani Prandharinath	B. Sc. II	<u>Rani Dabhade</u>
19	5619	Desai Prathmesh Sanjay	B. Sc. II	<u>Prathmesh Desai</u>
20	5620	Dhabugade Rushikesh Dilip	B. Sc. II	<u>Rushikesh Dhabugade</u>
21	5621	Dhisale Vinod Balaso	B. Sc. II	<u>Vinod Dhisale</u>

22	5622	Gaikwad Prajakta Nagesh	B. Sc. II	<u>P.N. Gaikwad</u>
23	5623	Jadhav Jyoti Sampat	B. Sc. II	<u>J.J. Jadhav</u>
24	5624	Jadhav Omkar Suresh	B. Sc. II	<u>O.S. Jadhav</u>
25	5625	Jamadade Rutuja Vijay	B. Sc. II	<u>R.V. Jamadade</u>
26	5626	Koli Tushar Chandrakant	B. Sc. II	<u>T.C. Koli</u>
27	5627	Kumbhar Vrushali Bharat	B. Sc. II	<u>V.B. Kumbhar</u>
28	5628	Kumbhar Kedar Shivaji	B. Sc. II	<u>K.S. Kumbhar</u>
29	5629	Lokhande Shubham Vishwanath	B. Sc. II	<u>S.L. Lokhande</u>
30	5630	Malkar Neha Bharat	B. Sc. II	<u>Malkar N.B.</u>
31	5631	Mane Mohini Sandip	B. Sc. II	<u>M.M. Mane</u>
32	5632	Mane Nilam Sampat	B. Sc. II	<u>M.N. Mane</u>
33	5633	Mohite Dipti Dinkar	B. Sc. II	<u>D.M. Mohite</u>
34	5634	Mohite Shweta Machindra	B. Sc. II	<u>S.M. Mohite</u>
35	5635	Mulla Misbah Jamirahmad	B. Sc. II	<u>M.M. Mulla</u>
36	5636	Patil Akshada Ganapati	B. Sc. II	<u>A.G. Patil</u>
37	5637	Patil Amruta Anil	B. Sc. II	<u>P.A. Patil</u>
38	5638	Patil Ankita Shankar	B. Sc. II	<u>A.S. Patil</u>
39	5639	Patil Asavari Shivaji	B. Sc. II	<u>P.A. Patil</u>
40	5640	Patil Bhagyashri Ramesh	B. Sc. II	<u>B.R. Patil</u>
41	5641	Patil Snehal Prakash	B. Sc. II	<u>S.P. Patil</u>
42	5642	Patil Sonali Balaso	B. Sc. II	<u>S.B. Patil</u>
43	5643	Patil Vitthal Jaysing	B. Sc. II	<u>V.J. Patil</u>
44	5644	Patil Yashoda Yashwant	B. Sc. II	<u>Y.Y. Patil</u>
45	5645	Patil Yashoda Yashwant	B. Sc. II	<u>Y.Y. Patil</u>
46	5646	Pawar Aishwarya Dhanaji	B. Sc. II	<u>A.D. Pawar</u>
47	5647	Pawar Pranav Pandurang	B. Sc. II	<u>P.P. Pawar</u>

48	5648	Pawase Nutan Sambhaji	B. Sc. II	<u>N.P. Pawase</u>
49	5649	Sabale Swapnali Rajendra	B. Sc. II	<u>S.R. Sabale</u>
50	5650	Sakhare Pallavi Mahadev	B. Sc. II	<u>P.S. Sakhare</u>
51	5651	Savvashe Snehal Arun	B. Sc. II	<u>S.A. Savvashe</u>
52	5652	Shendage Prachi Rajendra	B. Sc. II	<u>P.S. Shendage</u>
53	5653	Shinde Ashish Ashokrao	B. Sc. II	<u>A. Shinde</u>
54	5654	Suryawanshi Komal Balaso	B. Sc. II	<u>Komal S.</u>
55	5655	Suryawanshi Pradnya Anil	B. Sc. II	<u>P.A. Pradnya</u>
56	5656	Suryawanshi Snehal Arun	B. Sc. II	<u>Snehal.</u>
57	5657	Watharkar Alias Aditi Suresh	B. Sc. II	<u>A. Watharkar</u>
58	5658	Zarekar Snehal Mahadev	B. Sc. II	<u>Zarekar</u>
59	5659	Zende Gouri Subhash	B. Sc. II	<u>Zende</u>
60	5721	Awate Pravin Tanaji	B. Sc. II	<u>P. Awate</u>
61	5722	Babar Tejas Kundlik	B. Sc. II	<u>B. Babar</u>
62	5723	Bargule Omkar Shankar	B. Sc. II	<u>B. Bargule</u>
63	5724	Bile Adarshrao Sitaram	B. Sc. II	<u>A.S. Bile</u>
64	5725	Birane Vishvjit Gajanan	B. Sc. II	<u>V.G. Birane</u>
65	5726	Bobade Smita Shashikant	B. Sc. II	<u>S.S. Bobade</u>
66	5727	Chavan Saurabh Shivaji	B. Sc. II	<u>S. Chavan</u>
67	5728	Chougule Pratima Prashant	B. Sc. II	<u>C.P. Chougule</u>
68	5729	Gadave Sanket Sidhaling	B. Sc. II	<u>S. Gadave</u>
69	5730	Gaikwad Raturaj Rajendra	B. Sc. II	<u>R. Gaikwad</u>
70	5731	Gaikwad Vishwajeet Dattatray	B. Sc. II	<u>V. Gaikwad</u>
71	5732	Ghatage Pratiksha Satish	B. Sc. II	<u>P. Ghatage</u>
72	5733	Gole Sourabh Dinkar	B. Sc. II	<u>S.D. Gole</u>
73	5734	Hingmire Prajakta Ravindra	B. Sc. II	<u>P. Hingmire</u>

74	5735	Jadhav Akshay Govind	B. Sc. II	<u>Aleel</u>
75	5736	Jadhav Atul Narayan	B. Sc. II	<u>Atul</u>
76	5737	Jadhav Jeevan Balaso	B. Sc. II	<u>Jeevanbalas</u>
77	5738	Jadhav Madhavi Krushnat	B. Sc. II	<u>Mk</u>
78	5739	Jadhav Pratik Vishnu	B. Sc. II	<u>P.V. Jadhav.</u>
79	5740	Khedkar Suraj Hanmant	B. Sc. II	<u>Shchedkar</u>
80	5741	Koli Priyanka Popat	B. Sc. II	<u>Priyanka</u>
81	5742	Mali Swapnil Khandu	B. Sc. II	<u>Swapnil Mali</u>
82	5743	Mane Murlidhar Piraji	B. Sc. II	<u>Mpiraji</u>
83	5744	Mane Ravaso Hindurao	B. Sc. II	<u>Ravaso</u>
84	5745	Mane Rutik Raghunath	B. Sc. II	<u>R.R. Mane</u>
85	5746	Mengudale Priyanka Basveshwar	B. Sc. II	<u>Pmengudale</u>
86	5747	More Ajay Vishnu	B. Sc. II	<u>Ajmore</u>
87	5748	Nalawade Akash Ananda	B. Sc. II	<u>Akash</u>
88	5749	Nikam Pravin Dhanaji	B. Sc. II	<u>Pravin Nikam</u>
89	5750	Nimbalkar Suraj Popat	B. Sc. II	<u>S.P. Nimbalkar</u>
90	5751	Nimbalkar Sushant Baburao	B. Sc. II	<u>Sushant</u>
91	7552	Patil Abhishek Ravindra	B. Sc. II	<u>ABHI</u>
92	5753	Patil Arpita Anil	B. Sc. II	<u>Arpita Patil</u>
93	5754	Patil Avinash Ashok	B. Sc. II	<u>Avinash</u>
94	5755	Patil Nikita Nagesh	B. Sc. II	<u>N.N. Patil</u>
95	5756	Patil Omkar Suresh	B. Sc. II	<u>OPatil</u>
96	5757	Patil Onkar Ashok	B. Sc. II	<u>O.A. Patil.</u>
97	5758	Patil Prajakta Sanjay	B. Sc. II	<u>PRAJAKTA</u>
98	5759	Patil Prashant Maruti	B. Sc. II	<u>P.M.P.</u>
99	5760	Patil Prathmesh Manik	B. Sc. II	<u>Prathmesh</u>

100	5761	Patil Rushikesh Mahadev	B. Sc. II	<u>Rushi</u>
101	5762	Patil Rutuja Rajendra	B. Sc. II	<u>Rutuja Patil</u>
102	5763	Patil Sangram Chandrakant	B. Sc. II	<u>S.C. Patil</u>
103	5764	Patil Saurabh Suryakant	B. Sc. II	<u>Saurabh</u>
104	5765	Patil Snehal Ramchandra	B. Sc. II	<u>Sneha</u>

"Dissemination of Education for Knowledge, Science and Culture"-Shikshanmaharshi Dr. Bapuji Salunkhe
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Department of Physics

Certificate Course in

"Operation and Management of Cold Storage"

2019-2020

Mark list

Sr. No.	Roll No.	Name of the student	Class	Marks		
				Paper I (50)	Paper II (50)	Total (100)
1	5601	Burle Monika Mahadev	B. Sc. II	45	40	85
2	5602	Gaikwad Pratiksha Tanaji	B. Sc. II	37	42	79
3	5603	Hajare Vaishnavi Arjun	B. Sc. II	32	40	82
4	5604	Jadhav Aditi Sadashiv	B. Sc. II	45	40	85
5	5605	Jadhav Divya Ravindra	B. Sc. II	37	42	79
6	5606	Kadam Gautam Husheni	B. Sc. II	32	40	82
7	5607	Kamble Vrushali Pradip	B. Sc. II	45	40	85
8	5608	Mali Rushikesh Ganpati	B. Sc. II	37	42	79
9	5609	More Swapnil Anandrao	B. Sc. II	32	40	82
10	5610	Mujawar Irfan Harun	B. Sc. II	45	40	85
11	5611	Mujawar Sahil Salim	B. Sc. II	37	42	79
12	5612	Nirgude Shreyas Digambar	B. Sc. II	32	40	82
13	5613	Patil Aniket Adhik	B. Sc. II	45	40	85
14	5614	Patil Arya Suresh	B. Sc. II	40	40	80
15	5615	Pawar Prasad Chandrakant	B. Sc. II	45	40	85
16	5616	Budhavale Sagar Ashok	B. Sc. II	37	42	79
17	5617	Chavan Tejashree Shreekant	B. Sc. II	37	42	79
18	5618	Dabhade Rani Prandharinath	B. Sc. II	32	40	82
19	5619	Desai Prathmesh Sanjay	B. Sc. II	45	40	85

20	5620	Dhabugade Rushikesh Dilip	B. Sc. II	37	42	79
21	5621	Dhisale Vinod Balaso	B. Sc. II	45	40	85
22	5622	Gaikwad Prajakta Nagesh	B. Sc. II	37	42	79
23	5623	Jadhav Jyoti Sampat	B. Sc. II	32	40	82
24	5624	Jadhav Omkar Suresh	B. Sc. II	45	40	85
25	5625	Jamadade Rutuja Vijay	B. Sc. II	40	40	80
26	5626	Koli Tushar Chandrakant	B. Sc. II	37	42	79
27	5627	Kumbhar Vrushali Bharat	B. Sc. II	32	40	82
28	5628	Kumbhr Kedar Shivaji	B. Sc. II	45	40	85
29	5629	Lokhande Shubham Vishwanath	B. Sc. II	32	40	82
30	5630	Malkar Neha Bharat	B. Sc. II	45	40	85
31	5631	Mane Mohini Sandip	B. Sc. II	40	40	80
32	5632	Mane Nilam Sampat	B. Sc. II	45	40	85
33	5633	Mohite Dipti Dinkar	B. Sc. II	37	42	79
34	5634	Mohite Shweta Machindra	B. Sc. II	32	40	82
35	5635	Mulla Misbah Jamirahmad	B. Sc. II	40	40	80
36	5636	Patil Akshada Ganapati	B. Sc. II	45	40	85
37	5637	Patil Amruta Anil	B. Sc. II	37	42	79
38	5638	Patil Ankita Shankar	B. Sc. II	45	40	85
39	5639	Patil Asavari Shivaji	B. Sc. II	37	42	79
40	5640	Patil Bhagyashri Ramesh	B. Sc. II	32	40	82
41	5641	Patil Snehal Prakash	B. Sc. II	37	42	79
42	5642	Patil Sonali Balaso	B. Sc. II	32	40	82
43	5643	Patil Vitthal Jaysing	B. Sc. II	45	40	85
44	5644	Patil Yashoda Yashwant	B. Sc. II	40	40	80
45	5645	Patil Yashoda Yashwant	B. Sc. II	45	40	85

46	5646	Pawar Aishwarya Dhanaji	B. Sc. II	37	42	79
47	5647	Pawar Pranav Pandurang	B. Sc. II	40	40	80
48	5648	Pawase Nutan Sambhaji	B. Sc. II	45	40	85
49	5649	Sabale Swapnali Rajendra	B. Sc. II	37	42	79
50	5650	Sakhare Pallavi Mahadev	B. Sc. II	45	40	85
51	5651	Savvashe Snehal Arun	B. Sc. II	45	40	85
52	5652	Shendage Prachi Rajendra	B. Sc. II	37	42	79
53	5653	Shinde Ashish Ashokrao	B. Sc. II	32	40	82
54	5654	Suryawanshi Komal Balaso	B. Sc. II	40	40	80
55	5655	Suryawanshi Pradnya Anil	B. Sc. II	45	40	85
56	5656	Suryawanshi Snehal Arun	B. Sc. II	37	42	79
57	5657	Watharkar Alias Aditi Suresh	B. Sc. II	45	40	85
58	5658	Zarekar Snehal Mahadev	B. Sc. II	37	42	79
59	5659	Zende Gouri Subhash	B. Sc. II	32	40	82
60	5721	Awate Pravin Tanaji	B. Sc. II	37	42	79
61	5722	Babar Tejas Kundlik	B. Sc. II	32	40	82
62	5723	Bargule Omkar Shankar	B. Sc. II	30	40	70
63	5724	Bile Adarshrao Sitaram	B. Sc. II	40	40	80
64	5725	Birane Vishvjit Gajanan	B. Sc. II	45	40	85
65	5726	Bobade Smita Shashikant	B. Sc. II	37	42	79
66	5727	Chavan Saurabh Shivaji	B. Sc. II	45	40	85
67	5728	Chougule Pratima Prashant	B. Sc. II	37	42	79
68	5729	Gadave Sanket Sidhaling	B. Sc. II	32	40	82
69	5730	Gaikwad Raturaj Rajendra	B. Sc. II	45	40	85
70	5731	Gaikwad Vishwajeet Dattatray	B. Sc. II	40	40	80
71	5732	Ghatage Pratiksha Satish	B. Sc. II	37	42	79

72	5733	Gole Sourabh Dinkar	B. Sc. II	32	40	82
73	5734	Hingmire Prajakta Ravindra	B. Sc. II	45	40	85
74	5735	Jadhav Akshay Govind	B. Sc. II	40	40	80
75	5736	Jadhav Atul Narayan	B. Sc. II	37	42	79
76	5737	Jadhav Jeevan Balaso	B. Sc. II	45	40	85
77	5738	Jadhav Madhavi Krushnat	B. Sc. II	40	40	80
78	5739	Jadhav Pratik Vishnu	B. Sc. II	40	40	80
79	5740	Khedkar Suraj Hanmant	B. Sc. II	45	40	85
80	5741	Koli Priyanka Popat	B. Sc. II	37	42	79
81	5742	Mali Swapnil Khandu	B. Sc. II	32	40	82
82	5743	Mane Murlidhar Piraji	B. Sc. II	45	40	85
83	5744	Mane Ravaso Hindurao	B. Sc. II	40	40	80
84	5745	Mane Rutik Raghunath	B. Sc. II	40	40	80
85	5746	Mengudale Priyanka Basveshwar	B. Sc. II	30	40	70
86	5747	More Ajay Vishnu	B. Sc. II	30	40	70
87	5748	Nalawade Akash Ananda	B. Sc. II	39	40	79
88	5749	Nikam Pravin Dhanaji	B. Sc. II	40	40	80
89	5750	Nimbalkar Suraj Popat	B. Sc. II	45	40	85
90	5751	Nimbalkar Sushant Baburao	B. Sc. II	37	42	79
91	7552	Patil Abhishek Ravindra	B. Sc. II	32	40	82
92	5753	Patil Arpita Anil	B. Sc. II	45	40	85
93	5754	Patil Avinash Ashok	B. Sc. II	40	40	80
94	5755	Patil Nikita Nagesh	B. Sc. II	37	42	79
95	5756	Patil Omkar Suresh	B. Sc. II	32	40	82
96	5757	Patil Onkar Ashok	B. Sc. II	45	40	85
97	5758	Patil Prajakta Sanjay	B. Sc. II	40	40	80

98	5759	Patil Prashant Maruti	B. Sc. II	37	42	79
99	5760	Patil Prathmesh Manik	B. Sc. II	32	40	82
100	5761	Patil Rushikesh Mahadev	B. Sc. II	37	42	79
101	5762	Patil Rutuja Rajendra	B. Sc. II	32	40	82
102	5763	Patil Sangram Chandrakant	B. Sc. II	45	40	85
103	5764	Patil Saurabh Suryakant	B. Sc. II	40	40	80
104	5765	Patil Snehal Ramchandra	B. Sc. II	45	40	85



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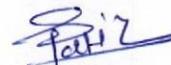
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ENTREPRENEURSHIP AND SKILL DEVELOPMENT
CENTER**

CERTIFICATE

This is to certify that Mr./Ms. Patil Nikita Nagesh
Class B.Sc. II has successfully completed the certificate
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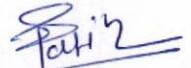
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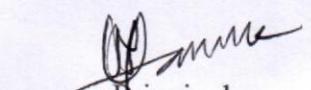
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