

Shri Shivaji Education Society, Amravati's



**Mahatma Fule Arts & Commerce and  
Sitaramji Chaudhari Science  
Mahavidyalaya, Warud**

**DIST. AMRAVATI (M.S.) 444 906 Ph.(Off.) : 07229-232 002  
ESTD : 1960 NAAC Reaccredited with 'B' Grade with CGPA-2.43**

**President Hon'ble  
Harshvardhan P. Deshmukh**

**Principal  
Dr. J.D. Wadate**

**Founder President  
Dr. Panjabrao  
alias Bhausahab Deshmukh  
M.A., D. Phil., LL.B., Bar-at-Law**

***2.3.1. Student Centric Methods, Such as  
Experiential Learning, Participative  
Learning and Problem Solving  
Methodologies are used for enhancing  
learning experiences***

- ICT Facilities**
- PPT**
- Google forms for online tests, home assignments**
- Experiential learning, Participative learning and problem solving methodologies**

Shri Shivaji Education Society, Amravati's  
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science  
Mahavidyalaya, Warud

**ICT Facilities**

**You-tube Links**



**LMS**

<https://class.ssesa.live/b/mah-ivt-wco>

Sr. No.	Name of Faculty	Subject	Youtube Links (Click Here)
1	Dr. U. E. Chaudhari	Chemistry	<a href="https://youtube.com/channel/UCBgfJhvaUs8xSphV_ZyJffg">https://youtube.com/channel/UCBgfJhvaUs8xSphV_ZyJffg</a>
2	Dr. R. S. Wadbude	Mathematics	<a href="https://www.youtube.com/channel/UCILyjPsMEFaKlqDI6jE_J4w/featured">https://www.youtube.com/channel/UCILyjPsMEFaKlqDI6jE_J4w/featured</a>
3	Mr. K. V. Pawar	Electronics	<a href="https://youtube.com/channel/UCIZep6WNLDwgNFwoAhatjDA">https://youtube.com/channel/UCIZep6WNLDwgNFwoAhatjDA</a>
4	Mr. V. S. Bawane	Mathematics	<a href="https://www.youtube.com/channel/UCXj101MdgVcSRH1u-lk7yw/videos">https://www.youtube.com/channel/UCXj101MdgVcSRH1u-lk7yw/videos</a>
5	Mr. P.P. Dolas	Political Science	<a href="https://youtube.com/channel/UCxWwccMMn9wIOLCjwA6DkvA">https://youtube.com/channel/UCxWwccMMn9wIOLCjwA6DkvA</a>
6	Dr. S. A. Kalmegh	Philosophy	<a href="https://youtube.com/playlist?list=PLAjQeZi5fpdt5my1Ce2VLpV_YGEBGyjcX">https://youtube.com/playlist?list=PLAjQeZi5fpdt5my1Ce2VLpV_YGEBGyjcX</a>
7	Dr. U. B. Sangolkar	Economics	<a href="https://youtube.com/channel/UCRn_Gpta9KAsCkH5EP5SHyw">https://youtube.com/channel/UCRn_Gpta9KAsCkH5EP5SHyw</a>
8	Dr. O.S. Deshmukh	Botany	<a href="https://youtube.com/channel/UCxLUWiHIOHms0wQApRHvuvw">https://youtube.com/channel/UCxLUWiHIOHms0wQApRHvuvw</a>
9	Ms. M.R. Umekar	Commerce	<a href="https://www.youtube.com/channel/UCU9B2Cark1WoGVfUWk8Nfsg/">https://www.youtube.com/channel/UCU9B2Cark1WoGVfUWk8Nfsg/</a>
10	Dr. S.R. Kondulkar	Zoology	<a href="https://youtube.com/channel/UC2x8Dr2gNuOsBs6yqC7mrWQ">https://youtube.com/channel/UC2x8Dr2gNuOsBs6yqC7mrWQ</a>
11	Dr. Rajesh Mirge	Marathi	<a href="https://youtube.com/channel/UCefiAGWcTUh4glyl0IId-BA">https://youtube.com/channel/UCefiAGWcTUh4glyl0IId-BA</a>



12	Dr. R. P. Ganorkar	Chemistry	<a href="https://youtube.com/playlist?list=PLr-5RMWe7HCt6Clalb47QGyHAqUFBdkTx">https://youtube.com/playlist?list=PLr-5RMWe7HCt6Clalb47QGyHAqUFBdkTx</a>
13	Dr. Y.S. Tamgadge	Physics	<a href="https://youtube.com/channel/UCqfK5ozRmfMRKjriiSeN9dw">https://youtube.com/channel/UCqfK5ozRmfMRKjriiSeN9dw</a>
14	Dr. A. K. Wanjarl	Chemistry	<a href="https://youtube.com/user/8087920416">https://youtube.com/user/8087920416</a>
15	Dr. Ku. P. J. Deshmukh	Botany	<a href="https://youtube.com/channel/UCfbF4naziAXG1kQIER3ChXA">https://youtube.com/channel/UCfbF4naziAXG1kQIER3ChXA</a>
16	Dr. Ku. S. K. Ulhe	Botany	<a href="https://youtube.com/channel/UC5UwymSmLtVGTKPssBPFxYQ">https://youtube.com/channel/UC5UwymSmLtVGTKPssBPFxYQ</a>
17	Dr. Ku. V. S. Panchwate	Zoology	<a href="https://youtube.com/channel/UCSkNgfBe1wXRBNRZidVeDGw">https://youtube.com/channel/UCSkNgfBe1wXRBNRZidVeDGw</a>
18	Shri K. D. Ingle	Zoology	<a href="https://youtube.com/channel/UC1151QaEgQ08nLrlLenQ">https://youtube.com/channel/UC1151QaEgQ08nLrlLenQ</a>
19	Ku. A. B. Patil	Physics	<a href="https://youtube.com/channel/UCvreQxU1vIAOZXs9_zv11Ug">https://youtube.com/channel/UCvreQxU1vIAOZXs9_zv11Ug</a>
20	Dr. A. S. Abdul Majjeed	Zoology	<a href="https://youtube.com/channel/UCJLQEIC_Y-stKdt1j8q0uiQ">https://youtube.com/channel/UCJLQEIC_Y-stKdt1j8q0uiQ</a>
21	Dr. Sau. R. Y. Bakale	Physics	<a href="https://youtube.com/channel/UCjeMyo_nAyXcjb99PHPHMw">https://youtube.com/channel/UCjeMyo_nAyXcjb99PHPHMw</a>

Principal  
Mahatma Fule A.C. & Sitaramji  
Choudhari Science College, Warud



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Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

DEPARTMENT OF CHEMISTRY  
ICT LECTURES YOUTUBE LINKS

<b>Dr. U.E. Chaudhari</b>
<a href="https://youtu.be/z0qPSYV0dJ4">https://youtu.be/z0qPSYV0dJ4</a>
<a href="https://youtu.be/T_HhwL4P_wU">https://youtu.be/T_HhwL4P_wU</a>
<a href="https://youtu.be/ZUR0GIFWPl0">https://youtu.be/ZUR0GIFWPl0</a>
<a href="https://youtu.be/CFi0PMGvLx0">https://youtu.be/CFi0PMGvLx0</a>
<a href="https://youtu.be/vFhuRJ0XeKw">https://youtu.be/vFhuRJ0XeKw</a>

<b>Dr. A.K. Wanjari</b>
<a href="https://youtu.be/H2AuzVYYF4g">https://youtu.be/H2AuzVYYF4g</a>
<a href="https://youtu.be/swgO-5Z_27I">https://youtu.be/swgO-5Z_27I</a>
<a href="https://youtu.be/GIMAF1hDBCI">https://youtu.be/GIMAF1hDBCI</a>
<a href="https://youtu.be/aHVPgYdCuOM">https://youtu.be/aHVPgYdCuOM</a>
<a href="https://youtu.be/HQk9MLeIflo">https://youtu.be/HQk9MLeIflo</a>
<a href="https://youtu.be/0t4SwCiglcv">https://youtu.be/0t4SwCiglcv</a>
<a href="https://youtu.be/NmMdk6Xfvr8">https://youtu.be/NmMdk6Xfvr8</a>

<b>Dr. R.S. Talegaonkar</b>
<a href="https://youtu.be/niu1STE3GsE">https://youtu.be/niu1STE3GsE</a>

<b>Dr. Rajesh P. Ganorkar</b>
<a href="https://youtu.be/IJPe4pPKt04">https://youtu.be/IJPe4pPKt04</a>
<a href="https://youtu.be/3HYg56FJEwg">https://youtu.be/3HYg56FJEwg</a>
<a href="https://youtu.be/F4jZBwk1P84">https://youtu.be/F4jZBwk1P84</a>
<a href="https://youtu.be/Su5HNgeyXQ4">https://youtu.be/Su5HNgeyXQ4</a>
<a href="https://youtu.be/2GKII2EI5jo">https://youtu.be/2GKII2EI5jo</a>
<a href="https://youtu.be/rFltW_q7eNQ">https://youtu.be/rFltW_q7eNQ</a>
<a href="https://youtu.be/Cc7sdxT67Rk">https://youtu.be/Cc7sdxT67Rk</a>
<a href="https://youtu.be/IVhnSooPTwU">https://youtu.be/IVhnSooPTwU</a>
<a href="https://youtu.be/czbhkYxFfy8">https://youtu.be/czbhkYxFfy8</a>
<a href="https://youtu.be/nUxs0ZTJqDs">https://youtu.be/nUxs0ZTJqDs</a>

<b>Mr. S.R. Kolteke</b>
<a href="https://youtu.be/LM3nx23pZMA">https://youtu.be/LM3nx23pZMA</a>

<b>Dr. P.U. Belsare</b>
<a href="https://youtu.be/I9WdnWzF-p8">https://youtu.be/I9WdnWzF-p8</a>
<a href="https://youtu.be/os38GRmv_io">https://youtu.be/os38GRmv_io</a>



**HEAD**  
Dept. of Chemistry  
M.F. Arts, Com. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



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Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

MAHATMA FULE ARTS COMMERCE AND SITARAMJI CHAUDHARI SCIENCE  
MAHAVIDYALAYA WARUD

DEPARTMENT OF ZOOLOGY

ICT TOOL

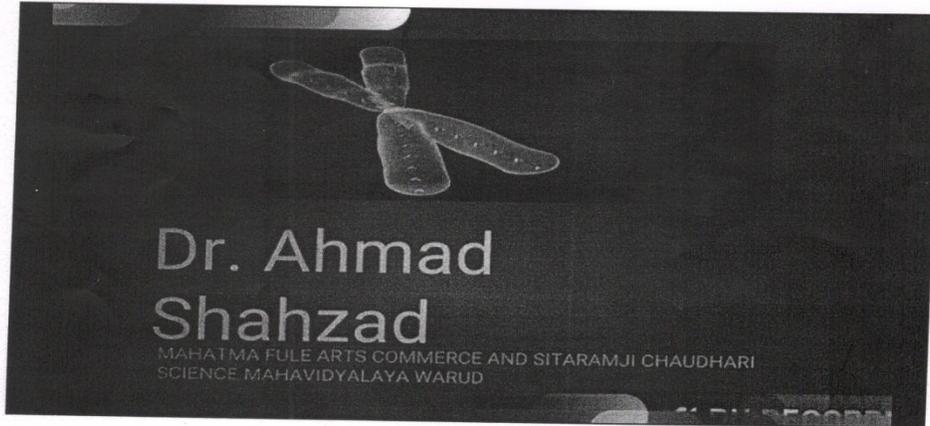
DR. AHMAD SHAHZAD

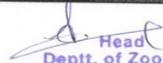
Assistant Professor

Zoology Department

Sr. No	Topic	YouTube Link \ PPT
1	Bird and Mammals	PPT
2	Blood Group and Rh-Factor	<a href="https://www.youtube.com/watch?v=vBQ14FIXZ1g&amp;t=3s">https://www.youtube.com/watch?v=vBQ14FIXZ1g&amp;t=3s</a>
3	Human Heart	PPT
4	Transcription	<a href="https://www.youtube.com/watch?v=q2jfNG_fA8w&amp;t=48s">https://www.youtube.com/watch?v=q2jfNG_fA8w&amp;t=48s</a>
5	Chromosome	<a href="https://www.youtube.com/watch?v=Uhv2zCve0c&amp;t=36s">https://www.youtube.com/watch?v=Uhv2zCve0c&amp;t=36s</a>
6	Cell Structure and Function	<a href="https://www.youtube.com/watch?v=kPw1uidp4Zc&amp;t=37s">https://www.youtube.com/watch?v=kPw1uidp4Zc&amp;t=37s</a>
7	RNA	<a href="https://www.youtube.com/watch?v=ML1L4mYkrOc&amp;t=70s">https://www.youtube.com/watch?v=ML1L4mYkrOc&amp;t=70s</a>
8	Hershey and Chase Experiment	<a href="https://www.youtube.com/watch?v=Gbb-Sx0Josw&amp;t=26s">https://www.youtube.com/watch?v=Gbb-Sx0Josw&amp;t=26s</a>
9	Why DNA Genetic Material	<a href="https://www.youtube.com/watch?v=cX4_15327_Q&amp;t=10s">https://www.youtube.com/watch?v=cX4_15327_Q&amp;t=10s</a>
10	DNA	<a href="https://www.youtube.com/watch?v=hkz0KctgZnc&amp;t=133s">https://www.youtube.com/watch?v=hkz0KctgZnc&amp;t=133s</a>

Proof Screen Shot



  
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Deptt. of Zoology  
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Sitaramji Chowdhri Science Mahavidyalaya,  
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Studio  CREATE

<https://studio.youtube.com/channel/UCpGhvgP15XDaK2Qk4FHmfYw/videos>

Channel content

Videos Live

Filter

<input type="checkbox"/>	Video	Visibility	Restricti
<input type="checkbox"/>	 <p>introduction to chemistry apparatus Add description</p>	Public	None
<input type="checkbox"/>	 <p>Video lecture on volumetric analysis from R.S. T... Add description</p>	Public	None

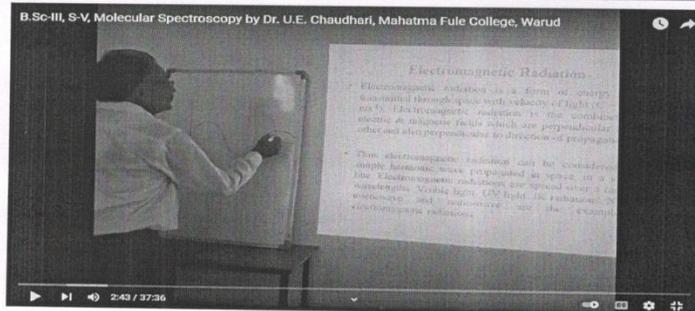
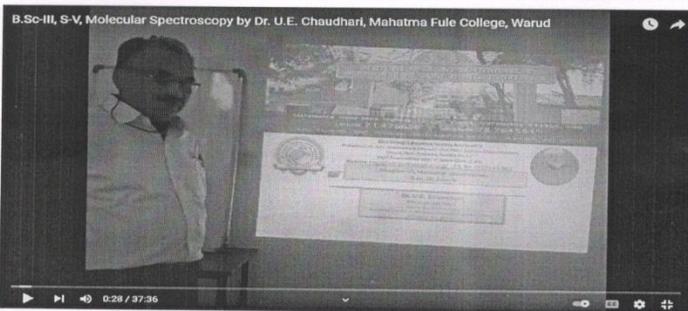
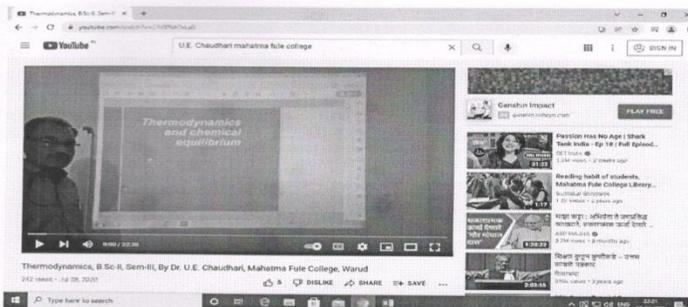
Rows per page: 30 1-2 of 2

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 Chaudhari Science Mahavidyalaya, Warud

**Dr. U.E. Chaudhari**  
Lectures available on YouTube

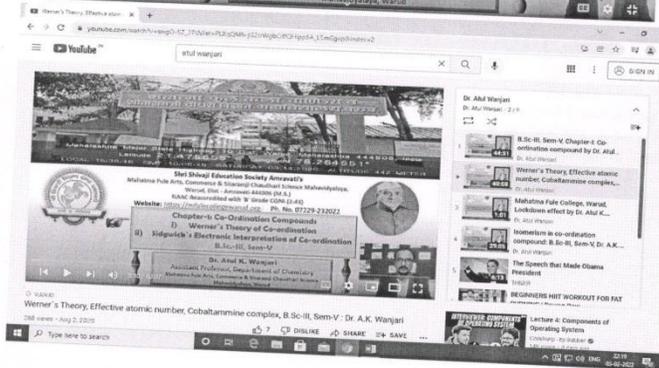
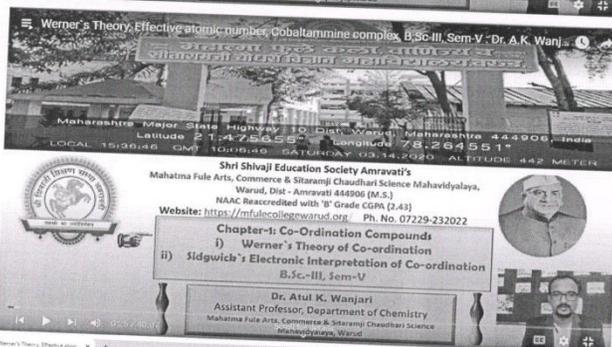
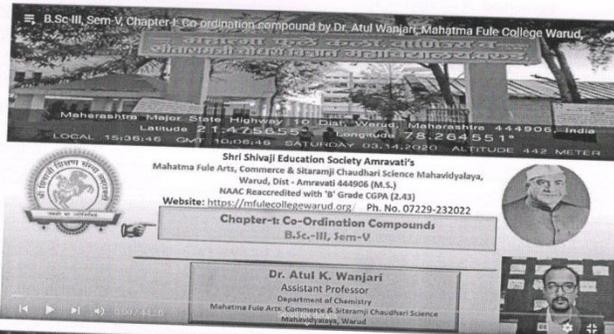


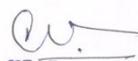
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Dr. A.K. Wanjari  
Lectures available on YouTube



  
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**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari  
Science Mahavidyalaya, Warud  
Department of Home Economics**

Evidence of Online Teaching

Online teaching had been done through a (internet) link provided by Shri, Shivaji Education Society, Amravati. The link was communicated to students and online classes were conducted through that link for students studying in B.A - I, B.A. - II and B.A. III. Online teaching was also done using Power Point Presentations and the same was shared with students as well.

The link was: <https://class.ssesssa.live/b/mah-od1-brv-osu>

Also, some Youtube videos related to Embroidery stitches were shared with students. Links of the same are as follows:

<https://youtu.be/fw6hSKw1LQw>

<https://youtu.be/t8qWluuQHmk>

<https://youtu.be/yus82ePE1hs>

<https://youtu.be/7A1yzJspVsg>

<https://youtu.be/Ek8cXt6I7uU>

<https://youtu.be/eISeESyrlsw>

*Bodiche*  
(Dr. N. A. Bodiche)  
(Home Economics)  
Head of the Department  
(Home-Economics)  
Mahatma Fule Arts, Commerce & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



*Principal*  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## You-Tube Links: Dr. R. Y. Bakale

### **YouTube Link for B.sc I st Sem Unit.II Rigid body motion**

1. <https://youtu.be/Hc2H03cJkn4>
2. <https://youtu.be/isyDZU1h-38>
3. <https://youtu.be/PbYP3cCzcFw>
4. <https://youtu.be/PbYP3cCzcFw>
5. <https://youtu.be/NH1H53GipxQ>
6. <https://youtu.be/sz-rjBmJ3Tc>
7. [https://youtu.be/vYVjiUOha\\_o](https://youtu.be/vYVjiUOha_o)
8. [https://in.docworkspace.com/d/sIF\\_Bs6VFqvypgAY](https://in.docworkspace.com/d/sIF_Bs6VFqvypgAY)

### **YouTube Link for B.sc V st Sem Unit.V Nuclear Physics**

1. <https://youtu.be/PBabHuUeqc0>
2. <https://youtu.be/WDdUoOR4tLA>
3. <https://youtu.be/V8P5hFTqH2A>
4. <https://youtu.be/SwGtrNDiISw>
5. <https://youtu.be/cwy29JyJh9s>
6. [https://youtu.be/G2w\\_X32riA8](https://youtu.be/G2w_X32riA8)
7. <https://youtu.be/txA3Ld4qrhk>

### **Practical demonstration YouTube link for B.Sc. I st Sem**

1. <https://youtu.be/cwy29JyJh9s>
2. [https://youtu.be/G2w\\_X32riA8](https://youtu.be/G2w_X32riA8)

### **Practical demonstration YouTube link for B.Sc. Vth Sem**

1. [https://youtu.be/\\_2njrA0tntU](https://youtu.be/_2njrA0tntU)
2. <https://youtu.be/dvdZtf7ZWKA>
3. <https://youtu.be/XPePdpR20a0>

### **YouTube Link for B.sc II nd Sem Unit.V Network theorem**

1. <https://youtu.be/EeEHsKQVjLI>
2. <https://youtu.be/Sh9EQXcvRT4>
3. <https://youtu.be/x0LktFS0c4A>
4. <https://youtu.be/-5S2I9JBYrU>

### **YouTube Link for B.sc VI Sem Unite III Crystallography**

1. <https://youtu.be/3qaZaq-Gdhc>

2. <https://youtu.be/3qaZaq-Gdhc>

**Practical demonstration YouTube link for B.Sc. VIth Sem**

1. [https://youtu.be/r\\_ljUMdo2gY](https://youtu.be/r_ljUMdo2gY)

2. <https://youtu.be/2WF5cTNU9Oo>

**YouTube Channel Link**

[https://youtube.com/channel/UCjeMyo\\_nAyXcjyb99PHPHMw](https://youtube.com/channel/UCjeMyo_nAyXcjyb99PHPHMw)

Submitted by  
Dr. R. Y. Bakale

  
**Head**  
Dept. of Physics  
Mahatma Fule Arts, Com. & Sitarang  
Chaudhari Science Manavidyalaya,  
Warud, Dist. Amravati.

## You Tube Links: Ku. RashmiCharjan

The screenshot shows a web browser displaying the YouTube channel page for 'rashmi charjan'. The address bar shows the URL: [youtube.com/channel/UCoW8\\_I3YUaih8Fd0xi6kXFA/videos](https://youtube.com/channel/UCoW8_I3YUaih8Fd0xi6kXFA/videos). The channel name is 'rashmi charjan' with 4 subscribers. The page is set to the 'VIDEOS' tab. Under the 'Uploads' section, three video thumbnails are visible:

- Video 1: 'practical on c compiler', uploaded April 10, 2021, with 1 view and 9 months ago.
- Video 2: 'practical on c compiler', uploaded April 10, 2021, with 18 views and 9 months ago.
- Video 3: 'Introduction', uploaded March 28, 2021, with 43 views and 9 months ago.

Below the video thumbnails, there are three handwritten YouTube links:

- 1] <https://youtu.be/HBT718CpkHY>
- 2] [https://youtu.be/XaeipPo\\_zfI](https://youtu.be/XaeipPo_zfI)
- 3] <https://youtu.be/D9AW1ij-mUg>



  
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# You-Tube Links : Dr. U. B. Sangolkar

The screenshot shows the YouTube Studio interface for the channel 'Umesh Sangolkar'. The channel name is written as 'studio.youtube.com/channel/UCRn\_Gptq 9KAs Ck HSEP 5SHyW/videos'. The channel content is listed under the 'Videos' tab, with a 'Filter' option. The video list includes:

Video Title	Duration	Visibility
B.A.III-Economics/19th Video on New ...	24:09	Public
B.A.II-Economics/20th Video on Inves...	28:15	Public
B.A.II-Economics/19th Video on Impor...	9:54	Public
B.A.II-Economics/18 Video on Determi...	25:25	Public
B.A.III-Economics/18th Video on Rem...	17:57	Public
B.A.III-Economics/17th Video on Subd...	21:46	Public
B.A.III-Economics/16th Video on Rem...	20:39	Public
B. A. III-Economics/15th video on Agri...	18:38	Public
B. A. III-Economics/14th on Remedies ...	22:54	Public
B. A. II-Economics/16th Video of Cons...		Public



  
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Chaudhari Science Mahavidyalaya, Wajrud

**You-Tube Links: Dr. Rajesh Mirge**

The image displays two screenshots of a YouTube Studio channel page for Dr. Rajesh Mirge. The top screenshot shows a list of five videos with their titles, visibility, feedback, dates, views, and comments. The bottom screenshot shows a list of five different videos with their titles, visibility, feedback, dates, views, and comments.

Video Title	Visibility	Feedback	Date	Views	Comments	Likes (vs. Dislike)
वीडो इतिहास: माझे बांधव वीरगिरी... अं बांधव वीरगिरी	Private	None	Jul 14, 2020 Uploaded	0	0	
वीडो इतिहास: पुणेकराबा अंधारवाडी श... अं बांधव वीरगिरी	Private	None	Jul 13, 2020 Uploaded	0	0	
वीडो इतिहास: बाबुराव वडील, वि... अं बांधव वीरगिरी	Private	None	Jul 13, 2020 Uploaded	0	0	
वीडो इतिहास: माहाडि विरगिरी वि... Add description	Public	None	Jul 13, 2020 Published	31	2	100 23
महात्मा फुले कला, वाणिज्य व सीतारामजी चौधरी विज्ञान महाविद्यालय, वरुड	Public	None	Jul 18, 2020 Published	Activate 28 Endovis 0	0	100 23

Video Title	Visibility	Feedback	Date	Views	Comments	Likes (vs. Dislike)
श्रीगुरु अं वारस बंगु Add description	Public	None	Jul 1, 2020 Published	454	4	100 12
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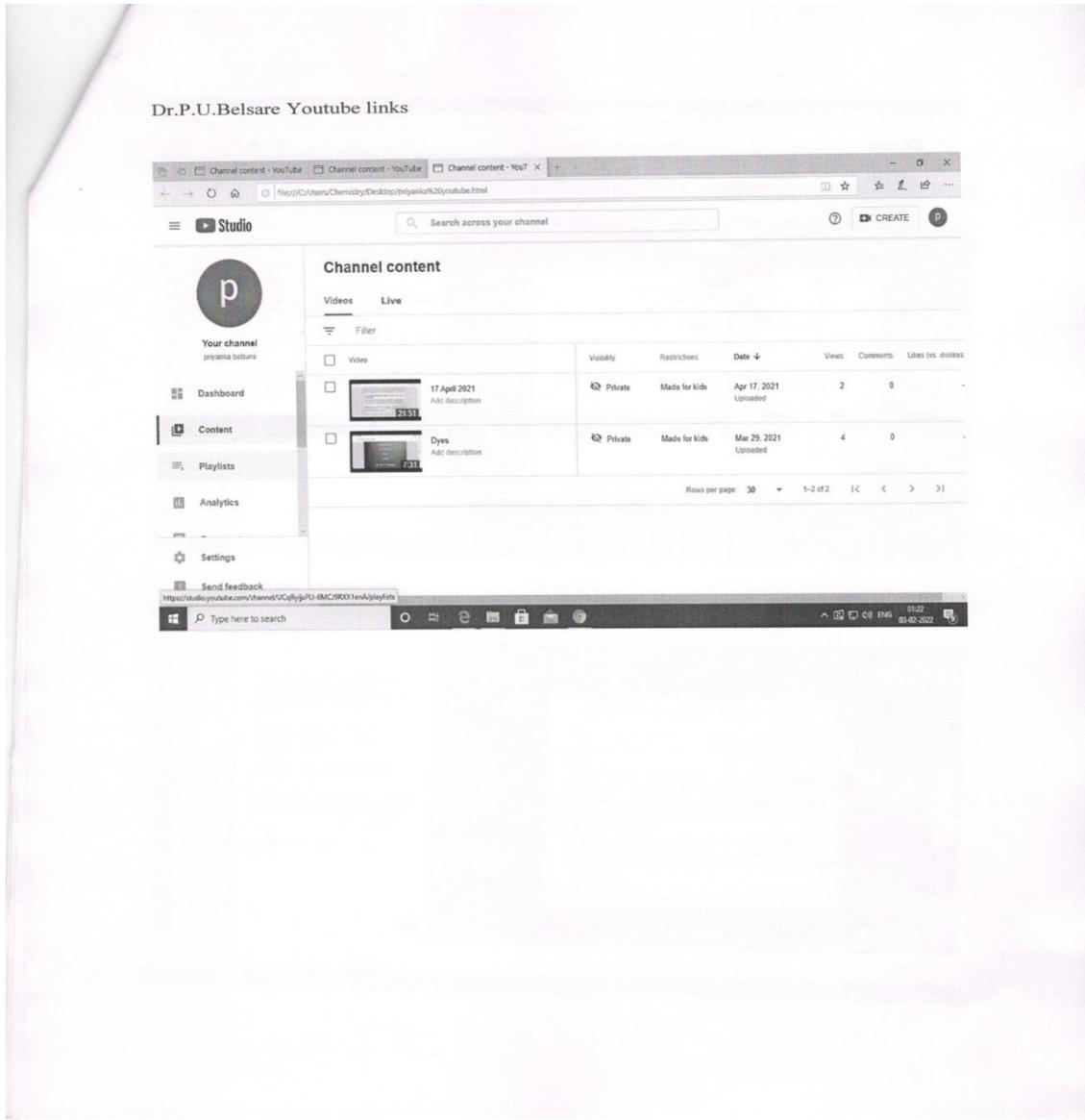
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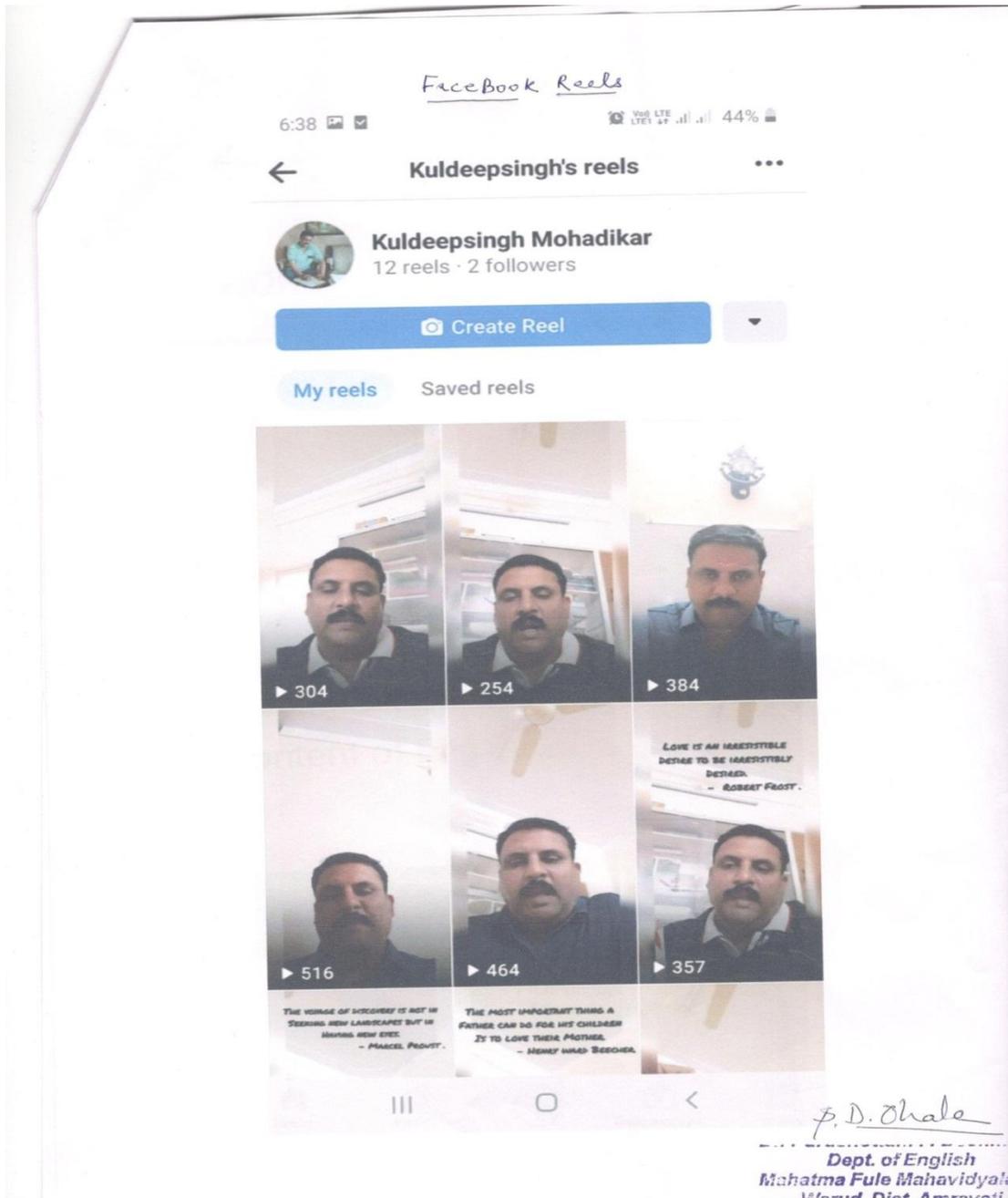
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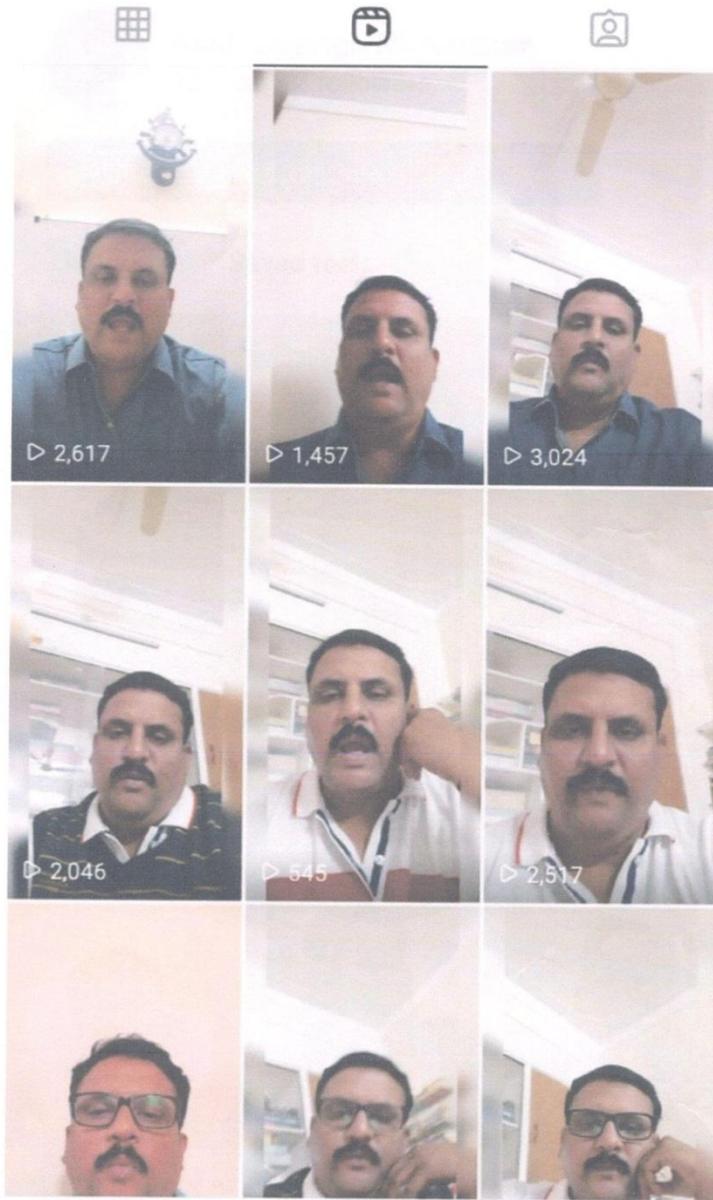
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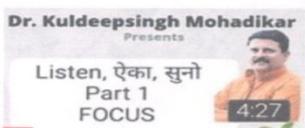
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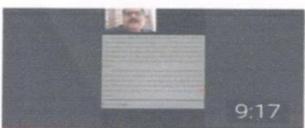
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**Dr. Anand K. Srinivasan**  
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### 8.2 BALLISTIC GALVANOMETERS

**Introduction**  
A ballistic galvanometer is used to measure the charge which passes through it when a steady current flows in a variable circuit.

**Conditions for galvanometer to be ballistic:**

- The periodic time of oscillation should be large.
- For this the moment of inertia of the moving system should be large.
- The suspension wire should be fine and long so that the restoring torque should be small.
- The damping must be very small. To reduce the damping:
  - Coin is wound on non-conducting frame.
  - Soft iron core is not used.

**Construction**

It consists of the following parts:

- Coil:** It is a rectangular coil of many turns of fine wire in a strong magnetic field.
- Magnet and core:** The magnet and core are cylindrical in shape. The coil is suspended in the space between the concave North and South poles of the magnet.
- Control:** The magnet and core are mounted on a spindle which is attached to the suspension wire. This wire is attached to the spindle of the coil. The spindle is attached to the spindle of the coil.

Let  $n$  = number of turns of coil  
 $l$  = length of the coil (or) in coil side  
 $b$  = breadth of the coil (or) in coil side  
 $A = n \cdot l \cdot b$  = Area of the coil  
 $\theta$  = deflection of the coil  
 $\tau$  = torque exerted by the coil  
 $\tau = n \cdot I \cdot A \cdot B \cdot \sin \theta$

There are two vertical sides of coil =  $2 \cdot n \cdot l$   
 Torque given to each vertical side of coil during their travel =  $n \cdot I \cdot l \cdot B \cdot \sin \theta$

Let  $t$  be the time required for whole charge  $q$  passes through coil.

Initial magnetic force on coil during travel =  $n \cdot I \cdot l \cdot B \cdot \sin \theta$

Restoring torque =  $n \cdot I \cdot A \cdot B \cdot \sin \theta$

At equilibrium, magnetic force = restoring torque

$n \cdot I \cdot l \cdot B \cdot \sin \theta = n \cdot I \cdot A \cdot B \cdot \sin \theta$

$l = A$

Restoring torque =  $n \cdot I \cdot A \cdot B \cdot \sin \theta$

When  $I$  is constant, torque of coil is proportional to  $\sin \theta$

$n \cdot I \cdot A \cdot B \cdot \sin \theta \propto \sin \theta$

Now kinetic energy of rotation of the coil is  $\frac{1}{2} I \omega^2$ , which is used in rotating the coil against the restoring torque on the coil suspension wire. If we neglect the energy loss due to damping. Let  $C$  be the restoring couple per unit twist of the suspension wire.

The couple required to rotate the suspension wire through angle  $\theta$  is  $C \cdot \theta$

Work done during an additional twist  $d\theta$  will be  $C \cdot \theta \cdot d\theta$

Let  $\theta_0$  be the final deflection of the coil. So, the work done in rotating the suspension wire from  $0$  to  $\theta_0$  is  $\int_0^{\theta_0} C \cdot \theta \cdot d\theta = \frac{1}{2} C \theta_0^2$

Coil comes to rest and starts for returning when  $\frac{1}{2} I \omega^2 = \frac{1}{2} C \theta_0^2$

$\omega^2 = \frac{C}{I} \theta_0^2$

Now, restoring equation (1), we get

$$n^2 A^2 B^2 \sin^2 \theta = I \omega^2$$

Putting the value of  $\omega^2$  from equation (2)

$$n^2 A^2 B^2 \sin^2 \theta = I \cdot \frac{C}{I} \theta_0^2$$

$$n^2 A^2 B^2 \sin^2 \theta = C \theta_0^2$$

$$\frac{n^2 A^2 B^2 \sin^2 \theta}{C \theta_0^2} = 1$$

Now, the particular time  $T$  for the swing of the coil

$$T = 2\pi \sqrt{\frac{I}{C}}$$

Now putting the value of  $T$  in equation (3), we get

$$\frac{n^2 A^2 B^2 \sin^2 \theta}{C \theta_0^2} = 1$$

$$\frac{n^2 A^2 B^2 \sin^2 \theta}{C \theta_0^2} = 1$$

From (3)  $\frac{n^2 A^2 B^2 \sin^2 \theta}{C \theta_0^2} = 1$  becomes an constant reduction factor (provides constant response to the coil) called as  $q = \frac{n^2 A^2 B^2 \sin^2 \theta}{C \theta_0^2}$  is known as ballistic reduction factor (provides charge required for unit deflection)

$q = \theta_0$

### 8.2.2 Effect of damping

While deriving the equation  $\frac{d^2 \theta}{dt^2} + \frac{C}{I} \theta = 0$  we assume that while kinetic energy of rotation  $\frac{1}{2} I \omega^2$  is used up before the suspension wire, the potential energy is not lost. The motion of the coil is supposed to result damping process and loss of part of the kinetic energy of rotation is used up in overcoming the damping process of ballistic galvanometer.

- Electromagnetic damping**  
It is due to induced eddy currents in the coil and frame of ballistic galvanometer. This damping can be reduced by making a non-ferrous non-conducting frame.
- It is due to viscosity of air. It is due to air, viscosity of air, elasticity of
- Mechanical damping**  
It is due to viscosity of air. It is due to air, viscosity of suspension wire, due to the presence of damping in the frame of the coil, it is due to the frame of the coil.

**Correction of damping**



Let  $A_1, A_2, A_3, A_4, \dots$  be the successive maxima observed both the sides of the central point then it is found that

$$\frac{A_1}{A_2} = \frac{A_2}{A_3} = \frac{A_3}{A_4} = \dots = d$$

Where  $d$  is known as decrement or damping ratio of the swing.

Taking log of both the sides we get

$$\log \frac{A_1}{A_2} = \log \frac{A_2}{A_3} = \dots = \log d$$

Where  $\log d$  is called logarithmic decrement and is denoted by  $\lambda$

No.  $\log_e d = \lambda$

$$\frac{A_1}{A_2} = \frac{A_2}{A_3} = \dots = d = e^{-\lambda}$$

Now,  $A_1 = A_0 e^{-\lambda t}$

(i.e. Decrement in time swing is  $e^{-\lambda t}$ )

and  $\frac{A_1}{A_2} = \frac{A_2}{A_3} = \dots = \frac{A_0 e^{-\lambda t}}{A_0 e^{-\lambda (t+T)}} = e^{-\lambda T}$

(i.e. Decrement in three averages is  $e^{-3\lambda T}$ )

Hence decrement is half average  $e^{-1.5\lambda T}$

If  $A_1$  is the first observed throw and  $A_n$  is the  $n$ th throw in the absence of damping

$$\frac{A_1}{A_n} = e^{-\lambda n T}$$

$$\log \frac{A_1}{A_n} = \log e^{-\lambda n T} = -\lambda n T$$

$$\lambda = \frac{1}{nT} \log \frac{A_1}{A_n} = \frac{1}{2n} \log \frac{A_1}{A_n}$$

$A_1 = A_0 e^{-\lambda T}$

(i)  $A_1$  will be expressed by the ratio terms of  $A_0$

$$A_1 = A_0 (1 - \lambda T)$$

Then the value of  $\lambda$  is given by

$$\lambda = \frac{1}{T} \log \frac{A_1}{A_0} = \frac{1}{2nT} \log \frac{A_1}{A_n}$$

The value of  $\lambda$  is calculated in following

$$\lambda = \frac{1}{2nT} \log \frac{A_1}{A_n}$$

**5.2.3 Current and Charge Sensibilities**

The sensitivity of an instrument is measured in terms of output for a standard input. The scale on which readings are taken are placed 1 meter apart from galvanometer. The output of galvanometer in the deflection on this scale. The standard input is a known current. In case of a ballistic galvanometer, the standard input will be a known amount of charge.

For moving coil galvanometer, when steady current flows, it gives steady deflection  $\theta$ .

$$\theta = \frac{C}{I} \Phi$$

Therefore, Current Sensitivity =  $\frac{\text{deflection in scale}}{\text{current in amp}}$

$$S_c = \frac{\theta}{I} = \frac{C \Phi}{I^2}$$

The reciprocal of the current sensitivity is called as figure of merit of the moving coil galvanometer.

The current sensitivity of a galvanometer is defined as the deflection per unit current and equals to  $S_c$ .

**Charge Sensitivity**

The charge sensitivity is defined as the throw or deflection in the scale 1 meter apart when charge 1 micro coulomb passes through it.

Charge Sensitivity =  $\frac{\text{deflection in scale}}{\text{charge in amp}}$

$$S_q = \frac{\theta}{Q}$$

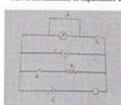
$$S_q = \frac{C \Phi}{I^2 Q}$$

$$S_q = \frac{C \Phi}{I^2 S}$$

Reciprocal of charge sensitivity is known as figure of merit of ballistic galvanometer.

Figure of merit =  $\frac{I^2}{C \Phi S}$

**5.2.4 Determination of capacitance and high resistance by leakage method.**



The capacitor  $C$  is first charged to a maximum potential difference  $V_0$ . Then it discharges through a ballistic galvanometer given first observed throw  $\theta_0$ .

Charge on the capacitor  $q_0 = CV_0 = K\theta_0 \dots (1)$

to leak through a high resistance  $R$  for a known period of time say  $t$  seconds. During this time potential  $V_t$  falls to  $V_t$ . Now the remaining charge  $q_t$  on the capacitor  $C$  is again charged to the same potential difference  $V_0$ , and the charge on it is allowed to capacitor to leak through the same resistance  $R$ . This charge  $q_t$  is measured with the help of ballistic galvanometer. The remaining charge  $q_t$  on the capacitor is allowed to pass through the ballistic galvanometer. This gives first throw  $\theta_t$ .

Charge on the capacitor  $q_t = CV_t = K\theta_t \dots (2)$

Comparing equation (1) and (2), we get

$$\frac{q_0}{q_t} = \frac{CV_0}{CV_t} = \frac{K\theta_0}{K\theta_t} \dots (3)$$

$V_t$  is the potential difference across the capacitor at any instant. During this time  $t$ , the charge leaks through high resistance  $R$ .

$\frac{dq}{dt}$  is the rate of decrease of charge.

$$I = \frac{dq}{dt} = \frac{d(CV)}{dt} = C \frac{dV}{dt} \dots (4)$$

But  $I = \frac{V}{R} \dots (5)$

From equation (4) and (5), we get

$$\frac{dq}{dt} = \frac{C}{R} V$$

$$\frac{dq}{q} = \frac{C}{R} \frac{dV}{V}$$

Integrating from the limits

$$\int_{q_0}^{q_t} \frac{dq}{q} = \frac{C}{R} \int_{V_0}^{V_t} \frac{dV}{V}$$

$$\ln \frac{q_t}{q_0} = \frac{C}{R} \ln \frac{V_t}{V_0}$$

$$\ln \frac{K\theta_t}{K\theta_0} = \frac{C}{R} \ln \frac{V_t}{V_0}$$

$$\ln \frac{\theta_t}{\theta_0} = \frac{C}{R} \ln \frac{V_t}{V_0}$$

$$\ln \frac{\theta_t}{\theta_0} = \frac{C}{R} \ln \frac{V_t}{V_0}$$

$$\ln \frac{\theta_t}{\theta_0} = \frac{C}{R} \ln \frac{V_t}{V_0}$$

Identifying the values of  $C$  and  $R$  the value of capacitance  $C$  can be written as

If  $\theta_0$  is the first throw of  $R$  and  $\theta_t$  is the value of  $C$  in unknown, then the value of  $C$  can be calculated using the formula

$$C = \frac{R \theta_0 \ln \frac{\theta_0}{\theta_t}}{\ln \frac{V_0}{V_t}}$$

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Warud, Dist. Amravati.

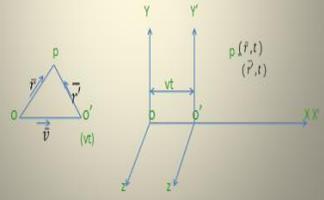
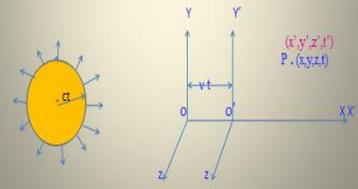
3



**Principal**

Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

**PPT: Mr. V. S. Bawane**

<p style="text-align: center;"><b>Department of Mathematics</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Mahatma Fule Arts, Comm. &amp; Sitaramji Chaudhari Science Mahavidyalaya, Warud</p> </div> <p style="text-align: center; color: magenta; font-weight: bold; font-size: 1.2em;">Special Theory of Relativity</p> <div style="background-color: #4a86e8; color: white; padding: 5px; text-align: center; font-size: 0.8em;"> <p>Prof. V. S. Bawane Head, Dept. of Mathematics</p> </div>	<p style="color: blue; font-weight: bold;">Introduction</p> <ul style="list-style-type: none"> <li>• Basic concept in NM</li> <li>• Three laws of motion</li> <li>• Frame of References</li> <li>• Inertial System (Frame)</li> <li>• Non – Inertial System</li> <li>• Event</li> </ul>	<p style="color: magenta; font-weight: bold;">Galilean Transformation ( GT )</p> <ul style="list-style-type: none"> <li>• Consider two inertial frames S and S'</li> <li>• S' is moving with uniform speed <math>v</math> w. r. to S.</li> <li>• O &amp; O' Observers at origins of S &amp; S' observing the same event at any point p.</li> </ul> 
<p style="color: orange;">By Triangle law of addition,</p> $\vec{r} = \vec{OO'} + \vec{r'}$ $\Rightarrow \vec{r'} = \vec{r} - \vec{v}t \quad \text{where } \vec{OO'} = \vec{v}t \dots\dots(1)$ <p style="color: orange;">The time can be defined independently.</p> $\therefore t' = t \dots\dots\dots(2)$ <p style="color: orange;">These equations are Galilean Transformations.</p>	<p style="color: blue; font-weight: bold;">Lorentz Transformation</p> <ul style="list-style-type: none"> <li>• Consider two inertial frames S and S'</li> <li>• S' is moving with uniform speed <math>V</math> w. r. to S.</li> <li>• O &amp; O' the observers at origins of S &amp; S' observing the same event at any point p.</li> </ul> 	<p>The point which is at rest w. r. to S' will move with velocity <math>V</math> relative to S in <math>XX'</math> direction. ie. The point <math>x' = 0</math> is identical with <math>x = vt</math> so that</p> $x' = \gamma(x - vt) \dots\dots\dots(1)$ <p>Where <math>\gamma</math> is some function of <math>v</math>.</p> <p>Since velocity of S' is along <math>xx'</math> direction, we have</p> $y' = y \quad \& \quad z' = z \dots\dots\dots(2)$ <p>Also, <math>t' = \alpha t + \beta x \dots\dots\dots(3)</math></p> <p>where <math>\alpha</math> &amp; <math>\beta</math> are functions of <math>v</math>.</p> <p>Equation of spherical wavefront is,</p> <p>In S, <math>x^2 + y^2 + z^2 = t^2 \dots\dots\dots(4)</math></p> <p>In S', <math>x'^2 + y'^2 + z'^2 = t'^2 \dots\dots\dots(5)</math></p> <p>Putting <math>x', y', z',</math> &amp; <math>t'</math> in equation (5)</p>
<p>We have <math>t' = \alpha t + \beta x \quad \therefore t' = \alpha t - \frac{\alpha v}{c^2} x = \alpha \left( t - \frac{v x}{c^2} \right)</math></p> <p><math>\therefore</math> The Lorentz transformation equations are</p> $x' = \alpha(x - vt)$ $y' = y$ $z' = z$ $t' = \alpha \left( t - \frac{v x}{c^2} \right) \quad \text{where } \alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}}$ <p>The quantity <math>\alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}}</math> is called as Lorentz contraction factor</p>	<p style="color: blue; font-weight: bold;">Lorentz Inverse Transformations</p> <p>Lorentz Inverse Transformations are,</p> $x = \alpha(x' + vt')$ $y = y'$ $z = z'$ $t = \alpha \left( t' + \frac{v x'}{c^2} \right) \quad \text{where } \alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}}$	<p style="color: red; font-weight: bold;">References</p> <ul style="list-style-type: none"> <li>• T M Karade, : <small>introduction to</small> <b>K S Adhav</b> : <b>Special Theory of Relativity</b> Sonu-Nihl Publication, Nagpur, Maharashtra.</li> <li>• T M Karade : <b>General Relativity</b> Sonu-Nihl publication, Nagpur, Maharashtra.</li> <li>• C. Moller : <b>The Theory of Relativity</b> Oxford Clarendon Press, 1952.</li> <li>• P. G. Bergman : <small>introduction to</small> <b>Theory of Relativity,</b> Prentice Hall of India, Pvt. Ltd., 1969</li> <li>• Roy &amp; Rajbali : <b>Theory of Relativity</b> Jaipur Publishing House, Jaipur.</li> </ul>

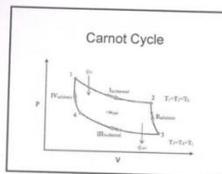


  
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22/01/2022

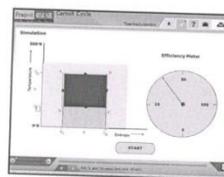
Carnot Cycle

Instructional Design Document  
By  
Dr. Sugandha V. Khangar (Wagh)  
Assistant Professor  
Department of Physics  
Maharaja Pratap Singh Government Engineering College, Pringli



In the first, which consists with isothermal expansion, adiabatic expansion, isothermal compression and adiabatic compression, the efficiency of the cycle is maximum. The above shows the Carnot Cycle.

Efficiency  $\eta = 1 - \left(\frac{T_2}{T_1}\right)$



The Carnot cycle is the most efficient cycle operating between two heat reservoirs. It consists of four processes: isothermal expansion, adiabatic expansion, isothermal compression, and adiabatic compression. The efficiency of the Carnot cycle is given by  $\eta = 1 - \frac{T_2}{T_1}$ , where  $T_1$  is the temperature of the hot reservoir and  $T_2$  is the temperature of the cold reservoir.

References:

- 1. Dr. S. V. Khangar, "Thermodynamics",
- 2. <http://www.physics.uwo.ca/~jcooper/thermodynamics.html>
- 3. [http://www.wikipedia.org/wiki/Carnot\\_cycle](http://www.wikipedia.org/wiki/Carnot_cycle)
- 4. [http://www.wikipedia.org/wiki/Carnot\\_cycle](http://www.wikipedia.org/wiki/Carnot_cycle)

Check your understanding

A Carnot cycle cannot extract heat from a region which is

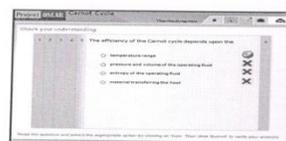
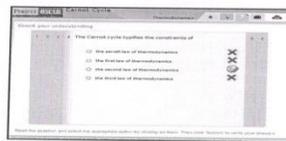
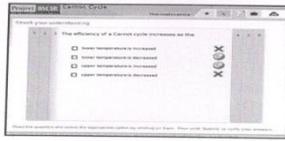
- at a temperature below 0 degrees?
- at a temperature above 0 degrees?
- at a temperature of 0 degrees?
- at a temperature of 0 degrees?

Check your understanding

The indicated processes in a Carnot cycle are

- isothermal expansion
- isothermal compression
- adiabatic expansion
- adiabatic compression

22/01/2021



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PPT : Dr. NaliniA Bodkhe

महात्मा फुले कला, वाणिज्य व सितारामजी  
चौधरी विज्ञान महाविद्यालय, वरुड

बी.ए. भाग-३

सेमिस्टर : ५

विषय : गृहअर्थशास्त्र

मानवी विकास

Human Development

UNIT - I

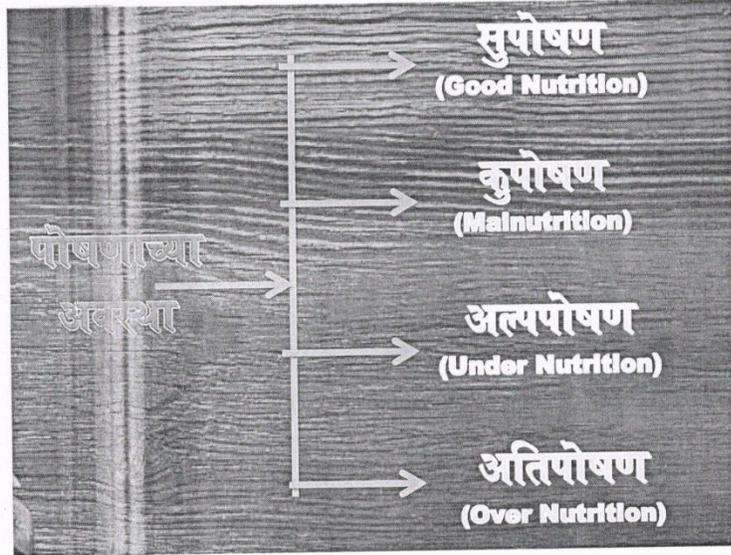
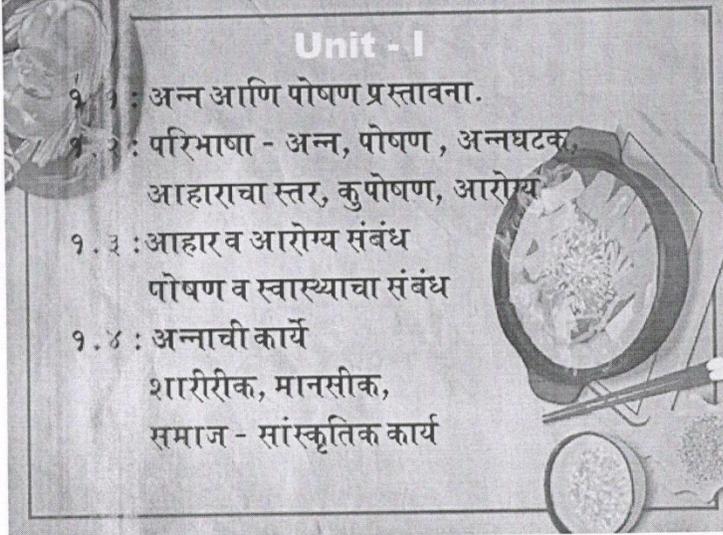
१.१ : मानवी विकासाचा अर्थ परिभाषा

लेखक :

हरलॉक, क्रो आणि क्रो, जेम्स ट्रेव्हर  
अश्वानी दाते, सरोजिनी साव्हर शीअन

**Unit - I**

१.१ : अन्न आणि पोषण प्रस्तावना.  
१.२ : परिभाषा - अन्न, पोषण, अन्नघटक,  
आहाराचा स्तर, कुपोषण, आरोग्य  
१.३ : आहार व आरोग्य संबंध  
पोषण व स्वास्थ्याचा संबंध  
१.४ : अन्नाची कार्ये  
शारीरिक, मानसीक,  
समाज - सांस्कृतिक कार्य



**१. २. ४ = कुपोषण**

डॉ. आशा देऊरकर यांच्या मते, जेव्हा शारीरिक आवश्यकतेनुसार काही घटक अप्रतिवृत्त मिळत नाहीत, तर काही घटक कमी किंवा जास्त प्रमाणात मिळतात तेव्हा त्याचे नाव परिणाम शरीराने घेतात त्याला कुपोषण म्हणतात.

कुपोषणाचे चार प्रकार आहेत.

१. अतिपोषण	२. अल्पपोषण
३. असंतुलन	४. विशिष्ट अभाव



*M. B. D. K.*  
**Head of the Department**  
**(Home-Economics)**  
 Mahatma Fule Arts, Commerce & Science  
 Chaudhari Science Mahavidyalaya, Warud



*M. B. D. K.*  
**Principal**  
 Mahatma Fule Arts, Comm. & Science  
 Chaudhari Science Mahavidyalaya, Warud

PPT : Dr. P. U. Belsare

PPT presentation of online class for BSc II (semIV)

The screenshot shows a Zoom meeting interface. On the left is a public chat window with a welcome message from Dr. P. U. Belsare and instructions for joining the audio bridge. The main screen displays a slide from a presentation. The slide content is as follows:

**Inorganic Chemistry**

**B.Sc. -II (Sem-IV)**

**Unit-I**

**(Chemistry of Elements of Transition Series)**

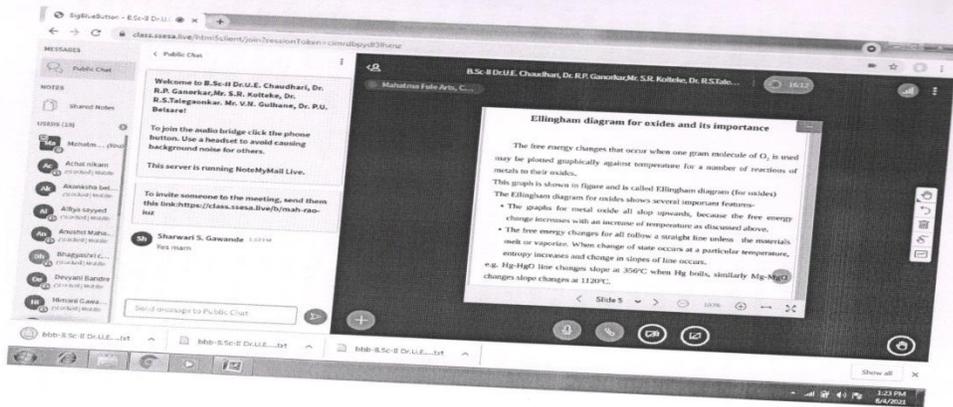
By Dr. P. U. Belsare

The screenshot shows a Zoom meeting interface. On the left is a public chat window with a welcome message and a new message from Dr. Sharvari S. Gawande. The main screen displays a slide from a presentation. The slide content is as follows:

**Factors influencing the choice of extraction process**

While choosing the process among the five discussed above used for extraction of any particular element, one has to keep in mind following five factors.

- Reactivity of metal exists in free state for mechanical separation process.
- Stability of their compounds to heat for decomposition process.
- If the element exists as an ionic compound and is also stable in water, then one has to select proper cheap element above it in the electrochemical series for displacement process.
- Occurrence of element as sulphide ores for roasting or as oxide for reduction-using carbon or other reducing agents (Mg, Al, Na, etc).
- If all the above methods cannot be employed then electrolytic reduction is to be carried out.



  
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Chaudhari Science M. Ward



  
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# Google forms: Department of Physics

## BSc. Sem I Physics Unit Test

1/22/22, 12:17 PM

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud



### Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud

B.Sc I Sem  
MCQ Test On  
Rigid Body Motion

\* Required

1. Email \*

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2. Name \*

---

3. Mobile Number \*

---

*Skip to question 4*

MCQ Questions

All questions carry equal marks

4. 1. The center of mass of a system of particles does not depend upon, \* 2 points

*Mark only one oval.*

- (a) position of particles
- (b) relative distance between particles
- (c) masses of particles
- (d) force acting on particle

  
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<https://docs.google.com/forms/d/1X-2NGaaV9RCdndd0OnSHFCvVT7R51n2n5k4ZuUdA1/edit>

5. 2. A couple produces \*

2 points

Mark only one oval.

- (a) pure rotation  
 (b) pure translation  
 (c) rotation and translation  
 (d) no motion

6. 3. A particle is moving with a constant velocity along a line parallel to positive X-axis. The magnitude of its angular momentum with respect to the origin is \*

2 points

Mark only one oval.

- (a) zero  
 (b) increasing with x  
 (c) decreasing with x  
 (d) remaining constant

7. 4. A rope is wound around a hollow cylinder of mass 3 kg and radius 40 cm. What is the angular acceleration of the cylinder if the rope is pulled with a force 30 N? \*

2 points

Mark only one oval.

- (a)  $0.25 \text{ rad s}^{-2}$   
 (b)  $25 \text{ rad s}^{-2}$   
 (c)  $5 \text{ m s}^{-2}$   
 (d)  $25 \text{ m s}^{-2}$

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8. 5. A closed cylindrical container is partially filled with water. As the container rotates in a horizontal plane about a perpendicular bisector, its moment of inertia, \* 2 points

Mark only one oval.

- (a) increases  
 (b) decreases  
 (c) remains constant  
 (d) depends on direction of rotation.

9. 6. A rigid body rotates with an angular momentum  $L$ . If its kinetic energy is halved, the angular momentum becomes 2 points

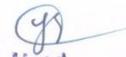
Mark only one oval.

- (a)  $L$   
 (b)  $L/2$   
 (c)  $2L$   
 (d)  $L/2$

10. 7. A particle undergoes uniform circular motion. The angular momentum of the particle remains conserved about 2 points

Mark only one oval.

- (a) the centre point of the circle.  
 (b) the point on the circumference of the circle.  
 (c) any point inside the circle.  
 (d) any point outside the circle.

  
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# BSc SemVI Physics Unit Test

7/19/2021

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Unit Test for B.Sc.(Part III) VI th SEM

Test I

## Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Unit Test for B.Sc. (Part III) VI th SEM

B.Sc. (Part III) Semester VI (Summer 2021)

Unit Test

Subject-PHYSICS

\* Required

1. E-mail Id \*

\_\_\_\_\_

2. Surname \*

\_\_\_\_\_

3. First name \*

\_\_\_\_\_

4. Middle Name \*

\_\_\_\_\_

5. Mobile number \*

\_\_\_\_\_

Internal Assessment Test for B.Sc. VI th SEM



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Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati.

6. 1. The co-ordination number of simple cubic cell \*

Mark only one oval.

- 6  
 8  
 12  
 16

7. 2. If the plane has a Miller index (h k l) then its intercepts on the three axes are \*

Mark only one oval.

- h, k, l  
  $h^2, k^2, l^2$   
  $1/h, 1/k, 1/l$   
  $\sqrt{h}, \sqrt{k}, \sqrt{l}$

8. 3. When the plane is parallel to any crystallographic axis, its intercept on that axis is taken as \*

Mark only one oval.

- zero  
 infinity  
 one  
 none of these

  
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9. 4. When the plane is parallel to any crystallographic axis, its Miller index for that axis is \*

Mark only one oval.

- zero  
 infinity  
 one  
 none of these

10. 5. The smallest portion of a crystal which when repeated in different directions generates the entire crystal is called: \*

Mark only one oval.

- Lattice points  
 Crystal lattice  
 Unit cell  
 None of the mentioned

11. 6. For cubic structure \*

Mark only one oval.

- $\alpha = \beta = \gamma = 90^\circ$   
  $a \neq b = c$   
  $\alpha = \beta \neq \gamma$   
  $a = b \neq c$



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12. 7. Bragg's equation is \*

Mark only one oval.

- $d \sin \theta = n \lambda$
- $2d \cos \theta = n \lambda$
- $2d \sin \theta = n \lambda$
- $2 \sin \theta = n \lambda$

13. 8. Miller indices define. \*

Mark only one oval.

- a particular plane
- a set of parallel planes
- a set of perpendicular planes
- none of these

14. 9. Grain boundaries is a crystal defect under the heading of \*

Mark only one oval.

- point defect
- line defect
- plane defect
- none of these

15. 10. The structure of NaCl is \*

Mark only one oval.

- BCC
- FCC
- Simple cubic
- Hexagonal

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## BSc Sem IV Project Assignment

1/28/22, 2:01 PM

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Department of Physics BSc II Sem IV ...

### Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Department of Physics BSc II Sem IV Project Assignment

BSc II sem IV (summer 2021)

Project Assignment

Subject : PHYSICS

\* Required

1. Email \*

---

2. Surname \*

---

3. Middle Name \*

---

4. First Name \*

---

5. Name of class \*

---

6. Whats App Mobile No. \*

---



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Warud, Dist. Amravati.

7. email address \*

\_\_\_\_\_

Assignment for BSc II  
SEM IV

answer the following questions with proper explanation. all questions are compulsory.

8. 1. What is double refraction? \*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. 2. Define quarter wave plate. \*

\_\_\_\_\_

10. 3. Give importance of polarization? \*

\_\_\_\_\_

11. 4. Define specific rotation. \*

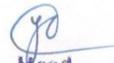
\_\_\_\_\_

12. 5. Why sky is blue? \*

\_\_\_\_\_

13. 6. What is optical activity? \*

\_\_\_\_\_

  
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# BSc II Sem III Physics Unit Test

4/28/22, 2:02 PM

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## Mahatma Fule Arts Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud

unit test for BSc II sem III

\* Required

1. Email \*

\_\_\_\_\_

topic name : solid state electronics devices II

2. name of student \*

\_\_\_\_\_

3. mobile number \*

\_\_\_\_\_

4. email address \*

\_\_\_\_\_

5. 1. For normal operation of transistor the emitter base junction must be in \_\_\_\_\_ biased. 2 points

Mark only one oval.

- forward biased  
 reverse biased  
 both forward and reverse biased  
 none of these

  
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6. 2. The input impedance of an ideal OP-AMP is \_\_\_\_\_

2 points

Mark only one oval.

- infinite
- zero
- one
- more than one

7. 3. The output impedance of an ideal OP-AMP is \_\_\_\_\_

2 points

Mark only one oval.

- infinite
- zero
- one
- more than one

8. 4. The operation of JFET involves

2 points

Mark only one oval.

- A flow of minority carrier
- A flow of majority carrier
- Recombination
- negative resistance

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Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati.

9. 5. The region which is heavily doped than other region

2 points

Mark only one oval.

- Collector  
 emitter  
 base  
 base and emitter

10. 6. In transistor the popular mode is

2 points

Mark only one oval.

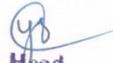
- CB mode  
 CE mode  
 CC mode  
 all of the above

11. 7. A FET is a \_\_\_\_\_

2 points

Mark only one oval.

- Bipolar device  
 unipolar device  
 Bipolar & unipolar device  
 Bipolar or unipolar device

  
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Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati.

# BSc III Sem VI Project Assignment

1/22/22, 12:15 PM

Project Assignment for B.Sc. VI th SEM - Google Forms



## Project Assignment for B.Sc. VI th SEM

Questions Responses Settings

Section 1 of 2

### Mahatma Fule Arts, Commerce &

B.Sc. (Part III) Semester VI (Summer 2021)

Email \*

Valid email

This form is collecting emails. [Change settings](#)

Surname \*

Short answer text

First name \*

Short answer text

Middle Name \*

Short answer text

Mobile Number \*



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Dept. of Physics  
Mahatma Fule Arts, Com. & Education  
Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati.

Short answer text

After section 1 Continue to next section ▼

Section 2 of 2

## Assignment Questions



All Questions are Compulsory

1) What is crystallography ?

\*

Short answer text

2) What is Crystal ?

\*

Short answer text

3) Define Unit cell ?

\*

Short answer text

4) Define Coordination number ?

\*

Short answer text



ys

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Dept. of Physics  
Mahatma Jyoti Bapu & Shrikrishna  
Chaudhari Science Mahavidyalaya,  
Waranud, Dindori, Amravati.



Short answer text

6) What is Line defect ?

\*

Short answer text

7) Define the term Miller indices ?

\*

Short answer text

8) What is screw dislocation ?

\*

Short answer text

9) What is the meaning of amorphous ?

\*

Short answer text

10) Define primitive and non-primitive cell ?

\*

Short answer text



YS

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## BSc II Sem IV Seminar PPT Submission

1/28/22, 2:03 PM

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Department of Physics BSc II SemIV ...

### Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud. Department of Physics BSc II SemIV Seminar PPT Submission BSc II Sem IV (summer 2021)

Seminar PPT Submission

Subject : PHYSICS

\* Required

1. Surname \*

---

2. First Name \*

---

3. Middle Name \*

---

4. name of class \*

---

5. email address \*

---

6. whatsapp mobile No \*

---



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Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati.

- 7. submit your ppt by clicking add file \*

Files submitted:

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Warud, Dist. Solapur.

<https://forms.godt...>

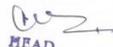


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Chaudhari Science Mahavidyalaya, Warud

# Google forms : Department of Chemistry

Timestamp	Phone No.	Name of Student	Topic of Seminar
7-4-2021 22:52:09		8080711185 Shubhangi Vinayakrao Patil	<a href="https://drive.google.com/open?id=1JlgrUyHT77LVtEAcrrMMHrb2GNQxOTr">https://drive.google.com/open?id=1JlgrUyHT77LVtEAcrrMMHrb2GNQxOTr</a>
7-5-2021 17:20:11		7498265109 Pratiksha Nandkumar Wankhade	<a href="https://drive.google.com/open?id=1-2MFZxWBkoluXinjvE8qfSYVvCTNwX">https://drive.google.com/open?id=1-2MFZxWBkoluXinjvE8qfSYVvCTNwX</a>
7-6-2021 13:03:10		8830824615 Nisha Gangadhar Nagmote	<a href="https://drive.google.com/open?id=1whxmOlzdnCnE7HQPUzaqLBRpRHFVx3">https://drive.google.com/open?id=1whxmOlzdnCnE7HQPUzaqLBRpRHFVx3</a>
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7-7-2021 12:19:20		9579516096 Huzaifa Parveen Ayaz Khan	<a href="https://drive.google.com/open?id=1eVCCd44AZNXTK_Q-4cwHR-WsvCeZxrTU">https://drive.google.com/open?id=1eVCCd44AZNXTK_Q-4cwHR-WsvCeZxrTU</a>
7-7-2021 19:03:44		8263852432 vaishnavi bhashkarrao wankhade	<a href="https://drive.google.com/open?id=1uOVdRvitsFGwh2VONL5WJQHPCCx_uAo">https://drive.google.com/open?id=1uOVdRvitsFGwh2VONL5WJQHPCCx_uAo</a>
7-7-2021 20:04:25		8080852148 Harshita Dnyaneshwar Poharkar	<a href="https://drive.google.com/open?id=1cdv6i5K0MekYvWqzxBLdpp3_5mZ4V9U">https://drive.google.com/open?id=1cdv6i5K0MekYvWqzxBLdpp3_5mZ4V9U</a>
7-8-2021 6:12:36		9322439324 Ku.Pratiksha E.Kadu	<a href="https://drive.google.com/open?id=1XEIawvT7Ep692nvRF89Ck8hQK_KyB6y6NW">https://drive.google.com/open?id=1XEIawvT7Ep692nvRF89Ck8hQK_KyB6y6NW</a>
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7-9-2021 16:33:21		9890032922 Kalyani pramad kadu	<a href="https://drive.google.com/open?id=1-Q8IqMAT-EGDjIbkPvehh3mlpI6_oxq">https://drive.google.com/open?id=1-Q8IqMAT-EGDjIbkPvehh3mlpI6_oxq</a>
7-9-2021 16:07:13		9145018963 Ku. Dnyaneshwari vishnuji Rewa	<a href="https://drive.google.com/open?id=1x3eA0ciN_1z6HBu7_RPekh8y9pAyDXZ1">https://drive.google.com/open?id=1x3eA0ciN_1z6HBu7_RPekh8y9pAyDXZ1</a>
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7-9-2021 19:29:14		8421240760 VAISHNAVI RAJENDRA JAIN .	<a href="https://drive.google.com/open?id=16_wXoIj6iNCdG5onj6SWJqIGe3BJJdW">https://drive.google.com/open?id=16_wXoIj6iNCdG5onj6SWJqIGe3BJJdW</a>
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7-10-2021 9:39:30		7709177080 Aishwarya Vishwanath Pakhale	<a href="https://drive.google.com/open?id=1_HtOqG9a-p-SCe9wXWVqsMKGRqesKsNz">https://drive.google.com/open?id=1_HtOqG9a-p-SCe9wXWVqsMKGRqesKsNz</a>
7-10-2021 0:04:32		8530043901 Jagruti shesharao kawanpure	<a href="https://drive.google.com/open?id=1WBjfg9wxFync8JHTaROo9l_REUJexwZrd2">https://drive.google.com/open?id=1WBjfg9wxFync8JHTaROo9l_REUJexwZrd2</a>
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7-11-2021 11:36:04		9503584630 Vaishnavi wasudeorao kale	<a href="https://drive.google.com/open?id=1F_s2d70WmHvk3rmkZaKv6Npflp-S0Lg4">https://drive.google.com/open?id=1F_s2d70WmHvk3rmkZaKv6Npflp-S0Lg4</a>
7-11-2021 12:48:38		7387259030 Dhanshri.sunil dharmathok	<a href="https://drive.google.com/open?id=1FoFEVpqqRtKwL_3mZCVX5e-p8lGAu">https://drive.google.com/open?id=1FoFEVpqqRtKwL_3mZCVX5e-p8lGAu</a>
7-11-2021 12:50:27		7038096522 Sanajahin Ahmadkhan Pathan	<a href="https://drive.google.com/open?id=1_H3NULk9HycoDmy5HD6BXKx21je6_UFOH">https://drive.google.com/open?id=1_H3NULk9HycoDmy5HD6BXKx21je6_UFOH</a>
7-11-2021 13:01:29		9022936299 Pragati Divakar Bondarkar	<a href="https://drive.google.com/open?id=14tBAW8TW5HwPwvIPSIIfvJol_qz25il">https://drive.google.com/open?id=14tBAW8TW5HwPwvIPSIIfvJol_qz25il</a>
7-15-2021 17:27:21	09021911296	Tanmay keshav nimkar	<a href="https://drive.google.com/open?id=1F_KFSSCEcI3oRiQpJT2D3M7u6tzmJDcO">https://drive.google.com/open?id=1F_KFSSCEcI3oRiQpJT2D3M7u6tzmJDcO</a>
7-11-2021 15:22:14		8263852432 Vaishnavi Bhashkarrao Wankhade	<a href="https://drive.google.com/open?id=1GDvQ172d6OFntCuJ8MhTSScZDQz0pWH">https://drive.google.com/open?id=1GDvQ172d6OFntCuJ8MhTSScZDQz0pWH</a>
7-11-2021 15:32:42		9699410634 Rituvishwas manohare	<a href="https://drive.google.com/open?id=1ujY7dSzag5IaisD1p84GlgAFkIUJpZhfzJ7aaI">https://drive.google.com/open?id=1ujY7dSzag5IaisD1p84GlgAFkIUJpZhfzJ7aaI</a>
7-11-2021 16:38:26		7821837482 Himani Hariramji Gawande	<a href="https://drive.google.com/open?id=1wOKRC2umPBvA2zPpVQOCQFfDXIIN4rUz">https://drive.google.com/open?id=1wOKRC2umPBvA2zPpVQOCQFfDXIIN4rUz</a>
7-11-2021 17:13:35		8421254695 Nikita Padmakar Kamble	<a href="https://drive.google.com/open?id=1N9X0mPliw5fYES-9gswFRZ4XekVp">https://drive.google.com/open?id=1N9X0mPliw5fYES-9gswFRZ4XekVp</a>
7-11-2021 17:57:55		8055715439 Pallavi Ganeshrao Ambulkar	<a href="https://drive.google.com/open?id=1sonIZN_15OZuMqoybaYPvobJOk3aDXyk">https://drive.google.com/open?id=1sonIZN_15OZuMqoybaYPvobJOk3aDXyk</a>
7-11-2021 18:31:53		9923592027 Maheshwari Pandav	<a href="https://drive.google.com/open?id=1D-ctb_qzXaRe-v4Yro5-IQGj9l7N4eEK">https://drive.google.com/open?id=1D-ctb_qzXaRe-v4Yro5-IQGj9l7N4eEK</a>
7-11-2021 18:45:21		7517667309 Saniya Asif Khan	<a href="https://drive.google.com/open?id=1m7HFRWwWQwMELNIhSQP4kt6g7xMAE8P">https://drive.google.com/open?id=1m7HFRWwWQwMELNIhSQP4kt6g7xMAE8P</a>
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7-11-2021 18:57:27		8856800478 Prashika Vijay maliye	<a href="https://drive.google.com/open?id=1HAEmOVipFzKruTeNld66RD2X_15CUqD3">https://drive.google.com/open?id=1HAEmOVipFzKruTeNld66RD2X_15CUqD3</a>
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7-11-2021 20:14:11		9307409027 Vaishnavi sureshrao chourase	

Link for seminar: <https://forms.gle/qHcdDcBqH78QRvKW9>

  
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 Chaudhari Science Mahavidyalaya, Warud

## BSc II(Sem-IV)

Timestamp	Phone No.	Name of Student	Topic of Project
7-8-2021 13:07:36	9579516096	Huzaifa Parveen Ayaz Khan	<a href="https://drive.google.com/open?id=1dezkMAAhr0u866x_IUDXEwBvYhWO">https://drive.google.com/open?id=1dezkMAAhr0u866x_IUDXEwBvYhWO</a>
7-9-2021 14:58:08	8080711185	Shubhangi Vinayakrao Patil	<a href="https://drive.google.com/open?id=1Ek70e-FK6sIF7FGYf5wduHu9NwTV">https://drive.google.com/open?id=1Ek70e-FK6sIF7FGYf5wduHu9NwTV</a>
7-9-2021 15:35:51	7038096522	Sanajahin Ahmadkhan Pathan	<a href="https://drive.google.com/open?id=13feiRT8zk_M2U6Dm9U6XsIPMyLP1e">https://drive.google.com/open?id=13feiRT8zk_M2U6Dm9U6XsIPMyLP1e</a>
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7-9-2021 18:02:07	9689367374	Zufisha sameen Anis khan	<a href="https://drive.google.com/open?id=1FuxMq4tnQGgdu6ghQMa60MR45oc_I">https://drive.google.com/open?id=1FuxMq4tnQGgdu6ghQMa60MR45oc_I</a>
7-9-2021 19:56:31	9112781128	Alfiya anjum sayyed aziz	<a href="https://drive.google.com/open?id=1SiBiBJSW22zH7UrahclbXdyndHyJ5q">https://drive.google.com/open?id=1SiBiBJSW22zH7UrahclbXdyndHyJ5q</a>
7-9-2021 22:05:33	9657400362	Mohini sharad kurhade	<a href="https://drive.google.com/open?id=1EMImcgNa8QpOpVuaQoC0pOFA2hw">https://drive.google.com/open?id=1EMImcgNa8QpOpVuaQoC0pOFA2hw</a>
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7-9-2021 23:32:44	7057106134	Vaishnavi Pradiprao Anasane	<a href="https://drive.google.com/open?id=1QR1PN3_zHdbLMmUGAAtyDg9XNhv">https://drive.google.com/open?id=1QR1PN3_zHdbLMmUGAAtyDg9XNhv</a>
7-10-2021 7:19:50	8263852432	Vaishnavi Bhashkarrao Wankhade	<a href="https://drive.google.com/open?id=1UjLGeL9mFxpUqYivT0x3FsfvMQPF">https://drive.google.com/open?id=1UjLGeL9mFxpUqYivT0x3FsfvMQPF</a>
7-10-2021 12:55:02	9766654113	Safina sadique kazi	<a href="https://drive.google.com/open?id=1rTf7CbN4_TSGHvIqYzuYFAAkuRBSF">https://drive.google.com/open?id=1rTf7CbN4_TSGHvIqYzuYFAAkuRBSF</a>
7-10-2021 12:55:42	9890032922	Kalyani pramod kadu	<a href="https://drive.google.com/open?id=1JEMQNnB4O7QC4nj_JII3AW5jK7Jih1">https://drive.google.com/open?id=1JEMQNnB4O7QC4nj_JII3AW5jK7Jih1</a>
7-10-2021 21:54:30	7709177080	Aishwarya Vishwanath Pakhale	<a href="https://drive.google.com/open?id=1HUmarg5ZSfVEPgTLKTCJ481Y6-N8">https://drive.google.com/open?id=1HUmarg5ZSfVEPgTLKTCJ481Y6-N8</a>
7-10-2021 23:42:00	7517667309	Saniya Asif Khan	<a href="https://drive.google.com/open?id=17vzEBLqxm9lC_3MzMUwJfi_afiSbANs">https://drive.google.com/open?id=17vzEBLqxm9lC_3MzMUwJfi_afiSbANs</a>
7-11-2021 0:47:07	8530043901	Jagruiti shesharao kawanpure	<a href="https://drive.google.com/open?id=1pOkNXFap5R-SVk_5nSsgxK9w-pSoR">https://drive.google.com/open?id=1pOkNXFap5R-SVk_5nSsgxK9w-pSoR</a>
7-15-2021 17:27:32	9021911296	Tanmay Keshav nimkar	<a href="https://drive.google.com/open?id=1FKdA_ud7A9us3cb85K0uDBrxNweKp">https://drive.google.com/open?id=1FKdA_ud7A9us3cb85K0uDBrxNweKp</a>
7-11-2021 10:59:37	8055379173	Rutuja Diliprao Wankhade	<a href="https://drive.google.com/open?id=1xUYfYciKYvC2PPILt6QuTbZdqR9mq3">https://drive.google.com/open?id=1xUYfYciKYvC2PPILt6QuTbZdqR9mq3</a>
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7-11-2021 14:19:58	8830824615	Nisha Gangadhar Nagmote	<a href="https://drive.google.com/open?id=1awtEsK9uEpHinnXqK99ONwujz4vL0C">https://drive.google.com/open?id=1awtEsK9uEpHinnXqK99ONwujz4vL0C</a>
7-11-2021 14:29:28	8788742853	Anjali babarao boharpi	<a href="https://drive.google.com/open?id=1MFIKfJHdbiFgTqdA7n0Ry3n5wqxMn9">https://drive.google.com/open?id=1MFIKfJHdbiFgTqdA7n0Ry3n5wqxMn9</a>
7-11-2021 15:11:11	8421240760	Vaishnavi Rajendra Jain	<a href="https://drive.google.com/open?id=19KQrJfEYhM5bAQPpXJk8mZKYtRb1f">https://drive.google.com/open?id=19KQrJfEYhM5bAQPpXJk8mZKYtRb1f</a>
7-11-2021 15:22:48	8408087059	Rupali Vijayrao Manekar	<a href="https://drive.google.com/open?id=1_7J_uq6jpkGhuUF5V0kQwSHswHae">https://drive.google.com/open?id=1_7J_uq6jpkGhuUF5V0kQwSHswHae</a>

Link for project: <https://forms.gle/BES1wQt7FKNXVRKh9>

  
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## Student's responses received for internal exam.

**Online Record of B.Sc.III 2020-2021**

**Name:-Mr.Vaibhav N.Gulhane (Assistant Professor Chemistry)**

**Record of Internal Exam(online):**

Timestamp	Email Address	Score	Name of Student	Topic
3/10/2021 0:43:47	ashishashish3316@gmail.com	20 / 30	SHARDEE PRADIPRAO WANHONADE	Octahedral geometry
3/10/2021 0:44:40	shubhikawane52@gmail.com	10 / 30	Shubhika Vijay Sawale	Octahedral geometry
3/10/2021 0:49:59	dpdkgg@gmail.com	22 / 30	Deepika Sahasrao Ganikale	Octahedral geometry
3/10/2021 0:50:09	ashwanthole19@gmail.com	22 / 30	Shriwas Ramnath Hole	Octahedral geometry
3/10/2021 0:51:12	traiid74@gmail.com	8 / 30	Aranya Bandra Maure	Square Planar geometry
3/10/2021 0:52:12	nashunimg2001@gmail.com	30 / 30	Yashu Prakashrao Nimje	Octahedral geometry
3/10/2021 0:53:26	shashinimgshen03@gmail.com	20 / 30	Shashita Koushikrao Darywad	Octahedral geometry
3/10/2021 0:54:40	maheshwanihane1@gmail.com	20 / 30	MAHESHVARIS BALKRISHNA DHOKE	Square Planar geometry
3/10/2021 0:54:58	kashishahar15@gmail.com	20 / 30	Harsha Kashin	Octahedral geometry
3/10/2021 0:54:59	akashshah0200@gmail.com	30 / 30	AKASHA Diliprao Dholke	Square Planar geometry
3/10/2021 0:55:04	jayashiraj2@gmail.com	30 / 30	Jaya Varadrao Bhuyar	Octahedral geometry
3/10/2021 0:55:05	eswent003@gmail.com	20 / 30	Jayashri Chitash Shewnt	Square Planar geometry
3/10/2021 0:55:16	dpbndra@gmail.com	20 / 30	Dip Sushakar Bhande	Octahedral geometry
3/10/2021 0:55:18	shashinimg@gmail.com	20 / 30	Mohini Anand Thawale	Square Planar geometry
3/10/2021 0:55:24	shashinimg@gmail.com	30 / 30	Chiranjali Choptale	Octahedral geometry
3/10/2021 0:55:41	ganeshkatar1@gmail.com	30 / 30	Chiranjali Ramakrishnao Satav	Octahedral geometry
3/10/2021 0:55:57	kushinimg@gmail.com	30 / 30	Lakshmi Vinodrao Mahabadi	Octahedral geometry
3/10/2021 0:57:42	ashishshenkar12@gmail.com	30 / 30	Sunil Ramakrishnao Wansare	Octahedral geometry
3/10/2021 0:57:48	vishal1199@gmail.com	24 / 30	Vishalmani Rajendra Ahar	Octahedral geometry
3/10/2021 0:57:51	ashishshenkar12@gmail.com	24 / 30	Sunil Ramakrishnao Wansare	Octahedral geometry
3/10/2021 0:58:15	ashishshenkar12@gmail.com	30 / 30	Sunil Ramakrishnao Wansare	Octahedral geometry
3/10/2021 0:58:56	ashishshenkar12@gmail.com	30 / 30	Sunil Ramakrishnao Wansare	Octahedral geometry
3/10/2021 0:58:56	ashishshenkar12@gmail.com	12 / 30	Kashinimg	Square Planar geometry

**Record of online Seminar**

Timestamp	Email Address	Name Of Student	Phone No.	Topic of Seminar
3/22/2021 1:39:40	matoreeruna@gmail.com	Renuka Anilrao matore	7941502901	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 1:49:44	varshahar23@gmail.com	Urmila Ashish	8950819921	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 2:05:42	Hiteshshenkar99@gmail.com	Hitesh Sunilrao Patil	7838781787	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 2:05:49	ashishshenkar77@gmail.com	Shazaya parween ashish	9423109100	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 2:27:12	deekshashenkar2002@gmail.com	Ashmita Shriharis shenkar	9324242009	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 2:55:55	vishalshenkar@gmail.com	Vishal Chhatra Tathode	7492981701	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 3:06:19	balgajshenkar@gmail.com	Dishi Shigaye	7491999916	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 3:15:57	narmatashenkar201@gmail.com	Narmada Shaikhanwar Narkar	9161920065	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 3:44:28	chetanashenkar344@gmail.com	Chetna Kalash Thakre	9652492428	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 3:48:37	nashishenkar7@gmail.com	or Nikita D Yawale	7605919821	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 4:59:06	keenaashenkar16@gmail.com	Keena Sunilrao Shingar	9119113331	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 6:56:52	Rashinimg27@gmail.com	Roshni Ganeshrao Patil	7374989061	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 6:59:40	vishalshenkar11@gmail.com	Vishalrao Diliprao Narkar	7211494993	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 8:11:07	matoreeruna@gmail.com	Pratibha vishenkar	7614513942	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 9:43:16	mayurkshenkar08@gmail.com	or Nikita D Yawale	7810558996	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 9:49:19	akashshenkar10@gmail.com	or Nikita D Yawale	9627954003	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 9:52:55	ganeshshenkar2000@gmail.com	Vaishali Ganeshrao Ganekar	9917248345	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 3:49:04	nishathar12@gmail.com	Ku. Nikita Rajwanshi Thakre	973078870	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 1:32:08	ashishshenkar@gmail.com	or Nikita D Yawale	973078870	https://drive.google.com/open?id=1G53u0...&usp=sharing
3/22/2021 8:25:18	nashishenkar1988@gmail.com	Nayana Pratikshas Thakre	7984546608	https://drive.google.com/open?id=1G53u0...&usp=sharing



## Google Form: Department Of Commerce

### Faculty of Commerce & Management

#### Google Form Link

1. B. COM PART-I SEMESTER-I INTERNAL ASSIGNMENT EXAM WINTER :- 2020

SUBJECT: - PRINCIPAL OF BUSINESS ORGANISATION MARKS- 20

<https://docs.google.com/forms/d/1emrsqNt6-XEz4XkTSOFDRhIpiXHrYy56mT4c2i5B0Hw/edit?usp=sharing>

2. B. Com III Sem VI Internal Assignment Summer 2021

Subject - Management Accounting Marks- 20

[https://docs.google.com/forms/d/11yCsmUVYJO9Laob\\_V5yODANXDJO2inq-PQf09FZT5o/edit?usp=sharing](https://docs.google.com/forms/d/11yCsmUVYJO9Laob_V5yODANXDJO2inq-PQf09FZT5o/edit?usp=sharing)

3. B. Com III Sem VI Internal Assignment Summer 2021

Subject - Management Accounting Marks- 20

<https://docs.google.com/forms/d/1c-Ogb0xOvwF3erK3-yRnMEu0wyEEL228BoH-jmmXuwY/edit?usp=sharing>

4. M.COM II SEMESTER-IV Internal Assignment Summer 2021

SUBJECT:- Entrepreneurship & Skill Development Marks -20

<https://docs.google.com/forms/d/1BSBdX9-m1i4VuapPN2GAPhclEBArS8XNIpG6tKKJMYA/edit?usp=sharing>

*M. R. K.*

HEAD

Dept. of Commerce

M.F. Arts, Comm. & S.C. Science  
College, Warud. Dist. Amr. 444901



*M. R. K.*  
Principal

Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## M.Com. II Sem IV Internal Assignment

Copy of M.COM II SEMESTER IV Entrepreneurship & Skill Development - Google Forms

Copy of M.COM II SEMESTER IV Entrepreneurship & Skill Development

Questions Responses 67 Settings

### M.COM II SEMESTER IV Entrepreneurship & Skill Development

M.COM II SEMESTER-IV  
Internal Assignment  
Summer 2021  
SUBJECT:- Entrepreneurship & Skill Development  
Marks -20

Name of the Students

Drop-down

1. ATISH SUNILRAO LANDGE X
2. AMRUTA GHANSHYAMRAO KALE X
3. ANISH MALOKAR X
4. ANKITA DHANRAJ NIMBURKAR X
5. ANUP DIPAK BHAD X
6. ARSHIYA TAJIM SHAIKH LATIF X
7. ASHVINI DINESHRAO DHOTE X
8. ASHWINI BALIRAM DHURVE X
9. ASHWINI RAMDASJI THENGEWAR X
10. ASHWINI RAMKRUSHNAJI BHUSARI X

<https://docs.google.com/forms/d/1BSRdX9-m14V/usqPN2GAPhcIFRAs8XNlnG6KK-IMYA/edit>

1/7



  
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PM Copy of M.COM II SEMESTER IV Entrepreneurship & Skill Development - Google Forms

None of the given options

Q.9. Women are now start -in new ventures at-----time (s) the rate of men .

One

Two

Three

Four

Q. 10. The consumer product safety Act , passed in-----

1986

1972

1970

1965

  
**HEAD**  
**Dept. of Commerce**  
M.F. Arts, Comm. & S.C. College,  
College, Warud. Dist. Amr. 44...



<https://docs.google.com/forms/d/1RSRdX9-m1i4V/uanPN2GAPhcFBAcS8XNlnG6tKKJMYA/edit>

7/7



  
**Principal**  
Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## B.Com.III Internal Assignment

Copy of B.COM III SEMESTER - VI MANAGEMENT ACCOUNTING(MEDIUM :- English - Google Forms

Copy of B.COM III SEMESTER - VI MANAGEMENT ACCOUNTING(MEDIUM :- English

Questions Responses 111 Settings

### B. Com.III (Medium :- English)

B. Com III Sem VI  
Internal Assignment  
Summer 2021  
Subject - Management Accounting  
Marks- 20

Name of the Students \*

Short-answer text

Class \*

Short-answer text

Mobile No. \*

Short-answer text

Important Instructions

1. All questions are compulsory.
2. Each question carry 2 marks.

Q.1. . Purpose of Management Accounting is to -

<https://docs.google.com/forms/d/1c-Onh0vQwF3erK3-vRnMEu0wFEI22ARoH-lmmXuwY/edit>



  
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Chaudhari Science Mahavidyalaya, Warud

- Rs 42,000
- Rs 44,000
- Rs 48,000
- Option 5
- Add option or Add "Other"



Required



Q.9. The cost of material at 50% capacity is Rs 8,000 and budget is to be prepared at 60%, 90% and 100% of normal capacity. The cost of material at 60% and 90% capacity will be

- Rs 9600 and Rs 14,400
- Rs14,400 and Rs16,000
- Rs 9600 and Rs 16,000
- None of the above

Q.10. 30. While preparing cash budget from Cash Accounting method,

- Payments and receipts related to budget period are considered
- Payments and receipts before budget period are considered
- Payments and receipts after budget period are considered
- All of the above
- Other...

**HEAD**  
**Dept. of Commerce**  
M.F. Arts, Comm. & S.C. Science  
College, Warud. Dist.Amt.44490f





## B.Com. III (Marathi Medium) Internal Assignment

11:11 PM B.COM III SEMESTER - VI MANAGEMENT ACCOUNTING(MEDIUM :- MARATHI) - Google Forms

B.COM III SEMESTER - VI MANAGEMENT ACCOUNTING(MEDIUM :- MARATHI)

Questions Responses 118 Settings

### B. Com III(Medium :- MARATHI)

B. Com III Sem VI  
Internal Assignment  
Summer 2021  
Subject - Management Accounting  
Marks- 20

Name of the Student \*

1. ABHISHEK SUBHASHRAO BHANDARE
2. ACHAL RAMESHRAO LAVHALE
3. ADITYA RAMDASPANT BHOKARE
4. ANITA MANAJI DHURVE
5. ANURADHA ASHOKRAO KSHIRSAGAR
6. ARATI DINKARRAO DHOTE
7. ARCHANA RAMDAS SURJUSE
8. ARTI RAJENDRA JANE
9. ASHVINI SANJAYRAO DAHIWADE
10. BHAGYASHRI RAMESHRAO GAWANDE
11. BHAGYASHRI VIJAYRAO SOLAO
12. BHARTI PRAMODRAO SHIRBHATE

[https://docs.google.com/forms/d/1dkiHs1f\\_kEclIvYQuGNGa\\_l0nPEaiY2N7daz8i30iQ/edit](https://docs.google.com/forms/d/1dkiHs1f_kEclIvYQuGNGa_l0nPEaiY2N7daz8i30iQ/edit)

1/0



  
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Chaudhari Science Mahavidyalaya, Warud

B.COM III SEMESTER - VI MANAGEMENT ACCOUNTING(MEDIUM :- MARATHI) - Google Forms

Q.9. The cost of material at 50% capacity is Rs 6,000 and budget is to be prepared at 60%, 70% and 100% of normal capacity. The cost of material at 60% and 90% capacity will be

Rs 9600 and Rs 14,400

Rs14,400 and Rs16,000

Rs 9600 and Rs 16,000

None of the above

Q.10. While preparing cash budget from Cash Accounting method,

Payments and receipts related to budget period are considered

Payments and receipts before budget period are considered

Payments and receipts after budget period are considered

All of the above

Other...

  
**HEAD**  
**Dept. of Commerce**  
M.F. Arts, Comm. & S.C. Science  
College, Warud. Dist.Amt.4449Ur.



[https://docs.google.com/forms/d/1rkiHs1f\\_kEeclIvYQuGNcG\\_10nPEzV2N7d5-812267-20](https://docs.google.com/forms/d/1rkiHs1f_kEeclIvYQuGNcG_10nPEzV2N7d5-812267-20)



B.Com. I Sem I Internal Assignment



### B. COM PART-I SEMESTER-I INTERNAL ASSIGNMENT EXAM

Questions Responses 104 Settings

## B. COM PART-I SEMESTER-I INTERNAL ASSIGNMENT EXAM

WINTER :- 2020  
SUBJECT :- PRINCIPAL OF BUSINESS  
ORGANISATION  
MARKS :- 20

Name \*

Short-answer text

Class \*

Short-answer text

Roll No. \*

Short-answer text

Mobile No. \*

Short-answer text



  
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Chaudhari Science Mahavidyalaya, Warud

Short-answer text

**Important Instructions**

- 1. All questions are compulsory.
- 2. Each question carry 5 marks.
- 3. Answer each question (2-3 lines)

Q.1. Explain the concept of Industry.

Long-answer text

Q.2. Explain the features of sole traders.

Long-answer text

Q.3. What is Trade mark?

Long-answer text

Q.4. What is Insurance?

Long-answer text

*M. Kulkarni*

**HEAD**  
**Dept. of Commerce**  
 M.F. Arts, Comm. & S.C  
 Village, Warud. Dist. Amr. 444901



<https://docs.google.com/forms/d/1emrsnNf6-XFz4XkTSOFDRbInixHrYv56mT4c2i5R0Hw/edit>



*M. Kulkarni*  
**Principal**  
 Maharaja Fule Arts, Comm. & Sitaramji  
 Chaudhari Science Mahavidyalaya, Warud

## Google Form links : Home Economics

3 UNREAD MESSAGES

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud. Practical Exam Winter 2020  
Semester 1 : Home Economics  
forms.gle

<https://forms.gle/hSJikJiwpBstzXs6>

Online practical exam. Link vr jaun date 15/4/2021, time 11:00 am paryant submit kara. 12:37

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud. Practical Exam Winter 2020  
Semester 3: Home Economics (Food Science & Nutrition)  
forms.gle

<https://forms.gle/FWFW9MaA5VGKZA5n6>

Online practical exam. Link vr jaun date 16/4/2021, time 11:00 am paryant submit kara. 12:37

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud. Practical Exam Winter 2020  
Semester 5: Home Economics (Human Development)  
forms.gle

<https://forms.gle/bPAaDX4G5gpQ5U8G9>

Online practical exam. Link vr jaun date 16/4/2021, time 12:00 noon paryant submit kara. 12:37

*P. B. Chaudhari*  
Head of the Department  
(Home-Economics)  
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud.



*P. B. Chaudhari*  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji Chaudhari Science Mahavidyalaya, Warud

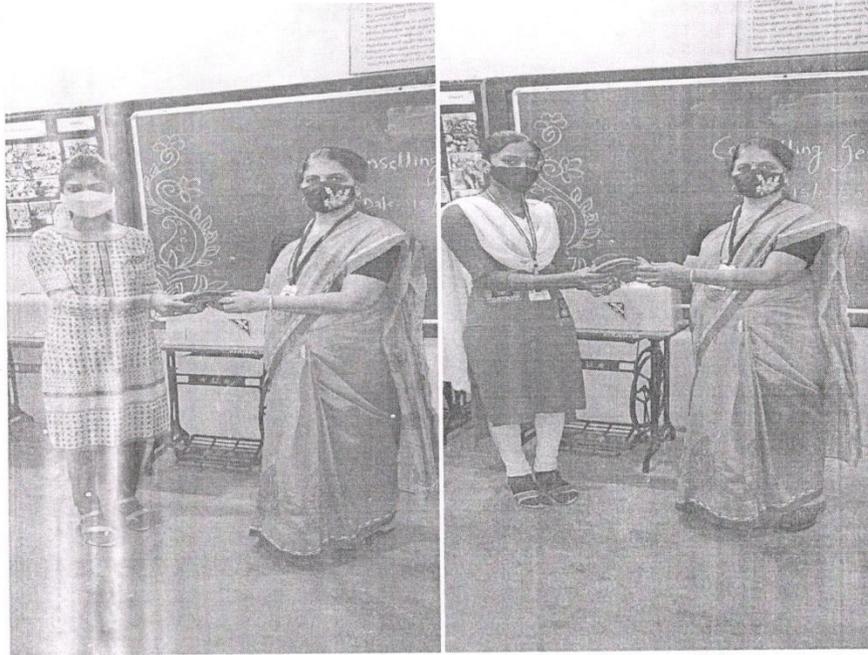
# Experiential Learning

## Department Of Home Economics: Making Face Mask Activity

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud**  
**Department of Home Economics**

### **Making-Face-Mask**

Home Economics Department Arrange the active Students were told to make face masks at their home since college was closed due to COVID-19 restrictions. Home Economics department students participated enthusiastically in the same. The masks were also decorated with creative embroidery work. These masks were then distributed in other departments.



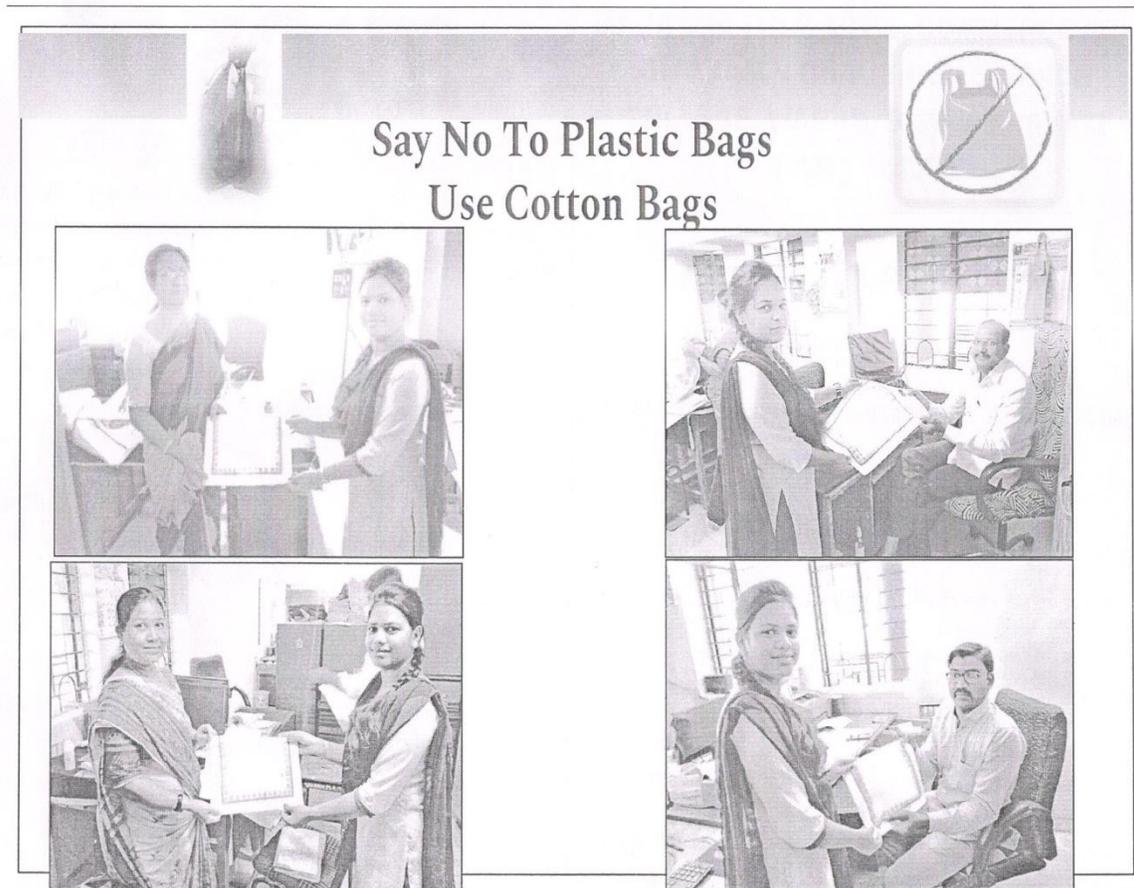
*P. B. Me*  
**Head of the Department**  
**(Home-Economics)**  
Mahatma Fule Arts, Commerce & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



*P. B. Me*  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Department Of Chemistry

### Say No To Plastic Bag S Use Cotton Bags Activity:



HEAD

Dept. of Chemistry  
M.F. Arts, Com & Sitararnji  
Chaudhari Science M. Warud



**Principal**  
Maharaja Fule Arts, Comm. & Sitararnji  
Chaudhari Science Mahavidyalaya, Warud

## Department Of Political Science

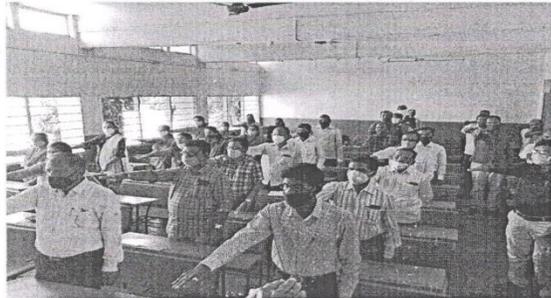
### Constitutional Day Activity

Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science  
Mahavidyalaya, Warud, Dist. Amravati-444906

#### DEPARTMENT OF POLITICAL SCIENCE

#### CONSTITUTIONAL DAY REPORT (2020-21)

Constitutional Day was celebrated on 26<sup>th</sup> November 2020. Hon'ble Principal chaired the program and Dr. S. A. Kalmegh was the chief guest of the function. Lecture was delivered by P. P. Dolas on this occasion.



*P. P. Dolas*

(P. P. Dolas)

Associate Professor & Head  
Department of Physics



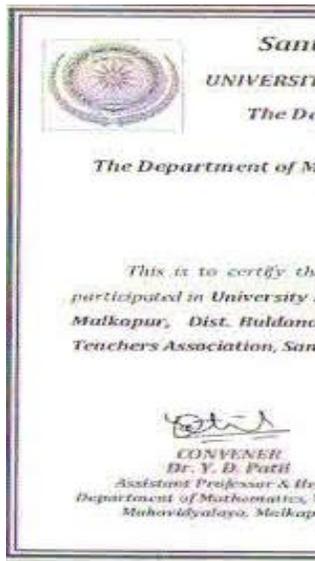
*P. P. Dolas*  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Participative Learning

### Students' participation in Seminar competition



 <p>Shri Shivaji Education Society Amravati's, Mahatma Fule Arts, Commerce &amp; Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist. Amravati (M.S.)</p> <p>University Level UG Students Seminar competition</p> <p><b>Topic : Ring</b></p> <p>Presented by</p> <p><b>Mr. Nakul P. Nimje</b> Department of Mathematics</p> <p>Guided by: Mr. V. S. Bawane (Head of Dept.) Dr. R. S. Wadbude (Professor)</p>	<h2>CONTENT</h2> <ul style="list-style-type: none"><li>• Ring</li><li>• Some special types of rings</li><li>• Elementary properties of ring</li><li>• Examples of rings</li><li>• Sub ring</li><li>• Examples of sub rings</li><li>• References</li></ul>
<h2>SOME SPECIAL TYPES RINGS</h2> <p><b>1. Commutative ring :</b> A ring R is called a commutative ring if <math>a \cdot b = b \cdot a \quad \forall a, b \in R</math></p> <p><b>2. Ring with unity :</b> In a ring R there exists an element denoted by '1' such that <math>1 \cdot a = a = a \cdot 1 \quad \forall a \in R</math>, then R is called a ring with unit element. Thus if a ring possesses multiplicative identity then it is a ring with unity.</p>	<h2>REFERENCES</h2> <ul style="list-style-type: none"><li>• Modern Algebra : T.M. Karade, J.N. Salunke, S.D. Katore, M. S. Bendre</li><li>• Abstract Algebra: J.N. Kapur, S.K. Gupta</li><li>• Algebra &amp; Trigonometry : Dr. H. K. Pathak</li><li>• Advanced Abstract Algebra : Bhupindra Singh</li><li>• Mathematics For Degree Students : Dr. P. K. Mittal</li><li>• Modern Algebra : A. R. Vasishtha, A. K. Vasishtha</li></ul>



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

**Sant Gadge Baba Amravati University, Amravati**  
(Department of Mathematics, IQAC and Mathematics Teacher's Association)  
&  
**Vidyan Mahavidyalaya, Malkapur**  
(Department of Mathematics, and IQAC)  
Organized  
**University Level UG Student Seminar Competition on "Algebra"**  
Topic- Normal Sub Group



Submitted by  
**Ku. Arati N. Kumbhare**  
Enrollment ID- 2021007

Guided by  
Name of the Teacher: **Dr. R. S. Wadbude**  
Designation : Professor

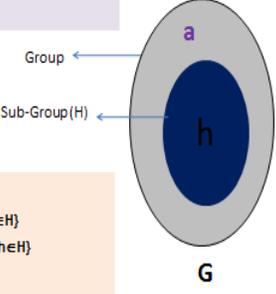
Name of the college: Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud, Dist. Amravati.

**Academic Activity National Mathematics Day: 2020**

### Contents

- > Cosets
- > Normal Sub-Group
- > Quotient Group

### Coset



Group ←

Sub-Group(H) ←

**1. Under Addition**

- a) Left Coset :  $a+H = \{a+h : h \in H\}$
- b) Right Coset :  $H+a = \{h+a : h \in H\}$

**2. Under Multiplication**

- a) Left Coset :  $aH = \{ah : h \in H\}$
- b) Right Coset :  $Ha = \{ha : h \in H\}$

### REFERENCES

- Modern Algebra : T.M. Karade, J.N. Salunke, S.D. Katore,  
M. S. Bendre
- Abstract Algebra : J.N. Kapur, S.K. Gupta
- Algebra & Trigonometry : Dr. H. K. Pathak
- Advanced Abstract Algebra : Bhupindra Singh
- Mathematics For Degree Students : Dr. P. K. Mittal
- Modern Algebra : A. R. Vasishtha, A. K. Vasishtha

**THANKS †**



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Chaudhari Science Mahavidyalaya, Warud

## Student's participation in Chemi -Quiz Competition

### Chemi –Quiz

2020-21

Department of Chemistry organizes Chemi-Quiz every year for the students of B.Sc.I year

- I. To inculcate scientific temper of Subject Chemistry among the students.
- II. To facilitate students with basic subject knowledge.

Most of the students were participated in this contest . The syllabus for this is on the subject Chemistry basic on 12th. And the questions are the objective type. The Department of Chemistry provides this opportunity to the students through Quiz contest.

Due to Covid-19 pandemic this year online Chemi-Quiz has been organised on 30<sup>th</sup> April 2021 and total 135of B.Sc.I year students were participated in the same

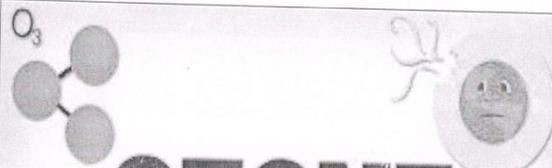
**HEAD**  
Dept. of Chemistry  
M F. Arts, Com. & Sitaramji  
Chaudhari Science M, Warud

Dr. Rajesh P. Ganorkar  
Convenor,  
Chemi-Quiz 2020-21



**Principal**  
Maharaja Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## E-Poster Competition on the Occasion of Ozone Day



# OZONE

Dear Students, it's an immense pleasure to invite you to participate in the e-poster competition on "OZONE FOR LIFE" On the occasion of *International Ozone Day* on 16<sup>th</sup> September 2020. The aim of the poster competition is to bring students together and aware them about importance of Ozone layer by sharing ideas via poster competition.

**Theme for Poster Presentation**

- Ozone for life
- Ozone an umbrella for Healthy life
- Chemistry of Ozone
- Save our Sky

**Online registration Link:**  
Students should register themselves by using link given below. Only registered participants are considered for the competition.

<https://forms.gle/bEGdhL7PAYgYXdCM8>

**How to prepare poster and submit poster:** Only handmade posters are allowed. Submit your poster to WhatsApp No. 8600479697

**Last date of submission of poster is**  
**20<sup>th</sup> September 2020**

**Result will be declared on 22th September 2020**

Participants who send the poster will receive the certificate



Shri. Shivaji Education Society's Amravati

**MAHATMA FULE ART'S, COMMERCE AND  
SITARAMJI CHAUDHARI SCIENCE  
COLLEGE, WARUD, DIST- AMRAVATI  
(M.H.) 444906**

*E-POSTER COMPETITION ON  
'OZONE FOR LIFE'*

ON THE OCCASION OF 16<sup>TH</sup> SEPTEMBER INTERNATIONAL OZONE DAY

Organised by

**DEPARTMENT OF CHEMISTRY**

Organising Committee

**Dr. U.E. Chaudhari**  
Convener

Dr. R. P. Ganorkar Organising Secretary		Dr. R. S. Talegaonkar Co-ordinator
Dr. A. K. Wanjari Organising Secretary		Mr. S. R. Kolteke Co-ordinator
Mr. V.N. Gulhane Organising Secretary		Dr. P. U. Belsare Co-ordinator

#OZONEHEROES

**HEAD**  
Dept. of Chemistry  
M.F. Arts, Com. & Sitaramji



  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud





Shri Shivaji Education Society Amravati's  
 Mahatma Fule Art's, Commerce and Sitaramji Chaudhari Science  
 Mahavidyalaya Warud, Dist-Amravati, Maharashtra State, INDIA

E-POSTER COMPETITION ON "OZONE FOR LIFE" ON THE OCCASION OF 35<sup>TH</sup>  
 INTERNATIONAL OZONE DAY, 16<sup>th</sup> September 2020



Certificate



We appreciate the contribution of Mr./Ku/Mrs. **Manisha Ambadkar** From Mahatma Fule Mahavidyalaya, Warud has successfully participated and secured **First Prize** in e-Poster competition on "**OZONE FOR LIFE**" on the occasion of 35<sup>th</sup> International Ozone Day organized by Department of Chemistry, Mahatma Fule Art's, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist-Amravati.

Dr. J.D. Wadate  
Principal

Dr. U.E. Chaudhari  
Convener



Dr. R.P. Ganorkar  
Organizing Secretary

Dr. A.K. Wanjari  
Organizing Secretary

HEAD

Dept. of Chemistry  
M.F. Arts, Com & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



Principal  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Department Of Botany:

### Student's Participation In Eco-Friendly Rakhi

**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari  
Science Mahavidyalaya, Warud Dist. Amravati.  
Department of Botany**

**Extension Activity: - Eco-Friendly Rakhi Competition**

Every year department of Botany organizes Eco-Friendly Rakhi Competition on the Occasion of "Rakhi Purnima". This year it was organized on 10<sup>th</sup> August, 2020.

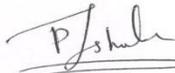
Eco-Friendly Rakhi Competition is the extension activity of our department. This year due to Covid-19 our department organized online Eco-Friendly Rakhi Competition & the Inauguration was organized on the "Zoom Meeting". The Inaugurator of this event was principal of our college Hon'ble Dr. J.D. Wadate Sir. Head of Department Dr. O.S. Deshmukh & teaching Staff viz. Dr. S. V. Satpute, Dr. M.B. Bobade, Dr.P. J. Deshmukh & Dr. S. K. Ulhe; Non-Teaching Staff Miss. Makeshwar and Mr. Patil actively participated in this event. Teaching and non-teaching staff members of the college also supported this activity.

In this Competition total 40 students were participated. Student prepared Eco-Friendly Rakhi using the waste & live plant material.

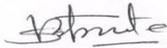
Following student participants got winning prizes in the competition:-

1. Ku. Vaishanvi Wankhede B.Sc. III<sup>rd</sup> Year:- 1<sup>st</sup> Prize
2. Ku. Vaishnavi Chourase B.Sc. II<sup>nd</sup> Year :- 2<sup>nd</sup> Prize
3. Ku. Puja Dhande B.Sc II<sup>nd</sup> Year :- 3<sup>rd</sup> Prize
4. Ku. Gauri Satfale B.Sc. III<sup>rd</sup> Year :- Consolation Prize

All the Participants got the E-Certificate after submission of online Feedback form.  
Date: - 10/08/2020



**Dr. P. J. Deshmukh**  
Techer Incharge



**Dr. S. V. Satpute**  
Professor & Head  
Department of Botany  
Mahatma Fule Arts, Commerce and  
Sitaramji Chaudhari Science  
Mahavidyalaya, Warud, Dist. Amravati



**Dr. J. D. Wadate**  
PRINCIPAL  
Mahatma Fule Arts, Com. & Sitaramji  
Chaudhari Sci. Mahavidyalaya, Warud



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

# Department Of Botany

Organize

## Eco-Friendly Rakhi Competition

(5<sup>th</sup> Year Extension Activity)

### Result of Competition

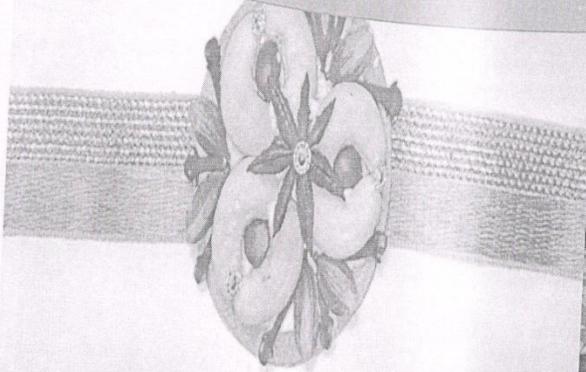
1<sup>st</sup> Prize

Ku. Vaishnavi Wankhade B.Sc.III rd Year

Eco-friendly rakhi made  
by me (v. wankhade)  
using pista shells,  
golden and silver  
coloured sabudana and  
west agarbatti sticks



2<sup>nd</sup> Prize Ku.Vaishnavi Chourase 2<sup>nd</sup> Year

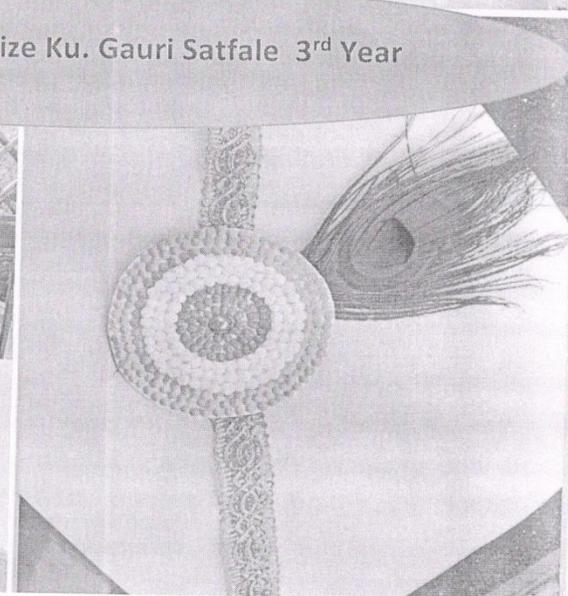


  
**Principal**  
Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

3<sup>rd</sup> Prize Ku.Puja Dhande 2<sup>nd</sup> Year



Consolation Prize Ku. Gauri Satfale 3<sup>rd</sup> Year



  
**Principal**  
Maharaja Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Department of Botany

### Eco- Friendly Holi Awareness program & Competition

Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science  
Mahavidyalaya, Warud Dist. Amravati.

Department of Botany, IQAC & Environmental Cell

Extension Activity: - Eco-Friendly Holi Awareness Programme & Competition  
Session 2020-21

Department of Botany, IQAC & Environmental Cell of the College organised Eco-Friendly Holi Awareness Programme & Competition on the Occasion of "Holi festival". This year it was organised in online mode due to Covid-19 situation on dated 1<sup>st</sup> April, 2021.

The motto of this activity was to create awareness among the students regarding use of Natural colors only on this day. Mostly, the natural colors are made from plant materials Flower, mulberry, Spinach, Gram flour, Corn flour, turmeric, beet root, etc. These colors are safer than chemically prepared ones.

Eco-Friendly Holi Awareness Programme & Competition is the 2<sup>nd</sup> extension activity of our department. The Inauguration ceremony of the event was organized on the "Zoom Meeting". The Inaugurator of this event was Principal of our college Hon'ble Dr. J. D. Wadate Sir, he guided our students about how to prepare natural colours. Head Department of Botany, Dr. S. V. Satpute, NAAC Coordinator Dr. O. S. Deshmukh & teaching Staff viz. Dr. M.B. Bobade, Dr. P. J. Deshmukh & Dr. S. K. Ulhe. All the Head of Departments of our College & Non-Teaching Staff Miss. Makeshwar and Mr. Patil actively participated in this event. Teaching and non-teaching staff members of the college also supported this activity.

In this Competition total 33 students were participated. Student prepared organic colour using plant material & organic materials.

Following student participants got winning prizes in the competition:-

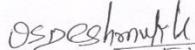
1. Ku. Vaishanvi Dahake : B.Sc. III<sup>rd</sup> Year :- 1<sup>st</sup> Prize
2. Ku. Piyusha Agarkar : B.Sc. Ist Year :- 2<sup>nd</sup> Prize
3. Ku. Sakshi Pachpohar : B.Sc Ist Year :- 3<sup>rd</sup> Prize

All the Participants got the E-Certificate after submission of online Feedback form.

Date: - 01/03/2021

  
Dr. Ku. P.J. Deshmukh  
Environmental Cell  
Convener

  
Dr. S.V. Satpute  
HOD, Botany  
Head  
Department of Botany  
M.F.Arts, Comm  
Science Mahavidyalaya,

  
Dr. O.S. Deshmukh  
O.S. DESHMUKH  
NAAC Coordinator  
Mahatma Fule Arts, Comm. &  
Sitaramji Chaudhari Science  
Mahavidyalaya, Warud

  
Dr. J.D. Wadate  
Principal  
Principal  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



  
Principal  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Winners of Eco-Friendly Holi Awareness Programme & Competition

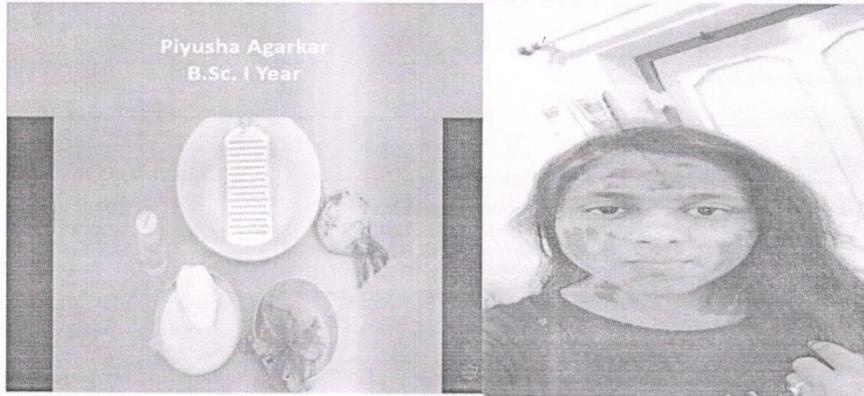
1<sup>st</sup> Prize Winner

Vaishnavi Shankarrao Dahake  
BSc III Year



2<sup>nd</sup> Prize Winner

Piyusha Agarkar  
B.Sc. I Year



  
**Principal**  
Maharaja Fule Arts, Comm. & Sitaraji  
Chaudhari Science Mahavidyalaya, Warud

## Department of Zoology

### Student's participation in Easy writing competition on the occasion of Wildlife Week

#### Report of competition conducted in wildlife week 2021 during 1<sup>st</sup> to 7<sup>th</sup> October, 2021

With a view to popularize wildlife and its applications among college students, department of Zoology wildlife week 2021 during 1<sup>st</sup> to 7<sup>th</sup> October, 2021 by organizing online activities such as wildlife photography and essay writing competition. In this competition students were told to upload their photographs of wildlife occurred in their surrounding in JPEG format and upload their essay on theme "Need of Wildlife Conservation in India". Both these competitions were conducted during 1<sup>st</sup> to 7<sup>th</sup> October, 2021 in online mode.

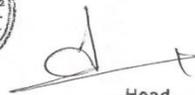
In this competition, students from different colleges and from P.G. Departments had actively participated. Number of students presented their views on "Need of Wildlife Conservation in India" through essay competition. Total 95 students were participated in this competition.

In this competition Ms. Aachal Sureshrao Bansle stood first, Ms. Tejal Vijayrao Fuse and Ms. Shraddha Mahendraji Ghatole stood second and third position respectively.

Under the guidance of Principal Dr. J. D. Wadate sir and Head of the department Dr. S. R. Kondulkar sir, the organizing team Dr. V. S. Panchwate, Mr. K. D. Ingle, Dr. Ahmad Shahzad and Mr. N. R. Kiswe, successfully conducted this programme and certificates of the participation were issued to the all participants.

  
IQAC Coordinator  
Mahatma Fule Arts, Commerce and  
Sitaramji Chaudhari Science  
Mahavidyalaya, Warud, Dist. Amravati



  
Head  
Deptt. of Zoology  
Mahatma Fule Arts & Comm. &  
Sitaramji Chowdhri Science Mahavidyalaya,  
Warud, Dist. Amravati

  
PRINCIPAL  
Mahatma Fule Arts, Com. & Sitaramji  
Chaudhari Sci. Mahavidyalaya, Warud



  
Principal  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



**Shri Shivaji Education Society, Amravati's**

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science  
Mahavidyalaya, Warud, Dist. Amravati**

NAAC Reaccredited with 'B' grade



## *Certificate*

This certificate is awarded to

**Aachal Sureshroao Bansle**

Of

Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science Mahavidyalaya, Warud

For securing first position in online essay writing competition, organized by Department of Zoology, Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science Mahavidyalaya, Warud, Dist. Amravati, on the event of Wildlife week celebration during 1st to 7th Oct. 2021

Dr. J. D. Wadate  
(Principal)

Mr. K. D. Ingle  
(Organizing Secretary)

Dr. S. R. Kondulkar  
(HOD, Zoology)



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



श्री ३

**Mahatma Fule Arts  
Mah**

Mahatma Fule Arts, Comm

For securing second position  
Zoology, Mahatma Fule Arts, C  
Dist. Amravati, on the e

Dr. J. D. Wadate  
(Principal)



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



**Shri Shivaji Education Society, Amravati's**

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science  
Mahavidyalaya, Warud, Dist. Amravati**

NAAC Reaccredited with 'B' grade



## *Certificate*

This certificate is awarded to

**Shraddha Mahendraji Ghatole**

Of

Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science Mahavidyalaya, Warud

For securing third position in online essay writing competition, organized by Department of Zoology, Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science Mahavidyalaya, Warud, Dist. Amravati, on the event of Wildlife week celebration during 1st to 7th Oct. 2021

Dr. J. D. Wadate  
(Principal)

Mr. K. D. Ingle  
(Organizing Secretary)

Dr. S. R. Kondulkar  
(HOD, Zoology)



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Department of physics

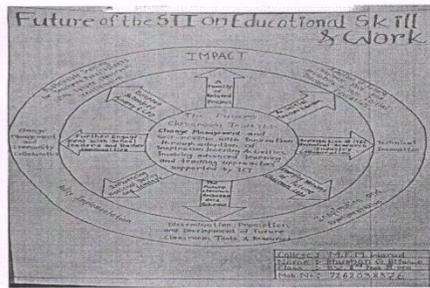
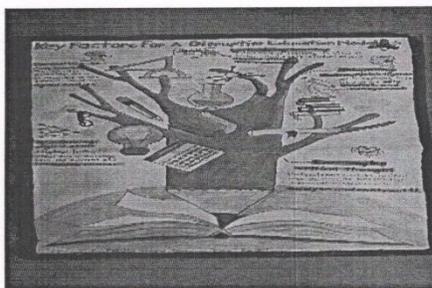
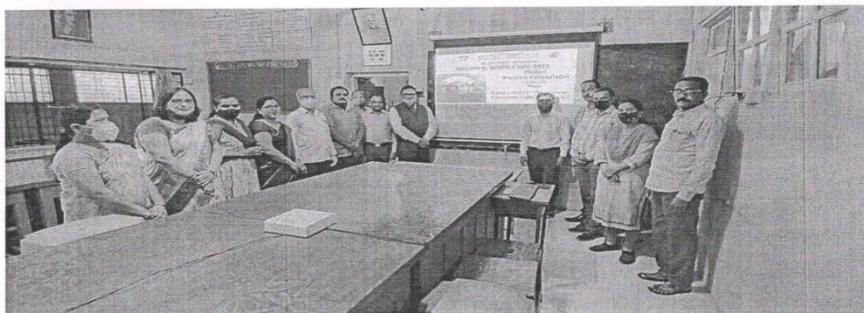
### Student's participation in Poster Exhibition on the occasion of National Science Day

Shri. Shivaji Education Society, Amravati's  
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science College, Warud,  
Dist. Amravati

#### Department of Physics A Report on Online Poster Exhibition 2021

Online Poster Exhibition for the academic session 2020-21 was organized by the Department of Physics on the occasion of National Science Day during 27<sup>th</sup> February 2021. Students of B.Sc. Sem I, Sem III and SEM V were engaged in this activity and they actively prepared and presented their posters online on the theme "Future of STI (Science Technology and Innovation)": Impacts on Education skills and Work. Approximately **110 students** participated in the event.

The Program was inaugurated at the hands of Hon'ble Principal Dr. J. D. Wadate accompanied by Prof. U. E. Chaudhari, Dr. S. A. Kalmegh, Mr. V. S. Bawane, Dr. R. S. Wadbude, Dr. R. P. Ganorkar, Dr. O. S. Deshmukh, Mr. P.P. Dolas, Mrs. M.R. Umekar etc. All dignitaries visited the exhibition and encouraged the students for their efforts. Certificates were distributed online to all participants.



  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



Shri. Shivaji Education Society, Amravati's  
Mahatma Fule Arts, Commerce & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



## NATIONAL SCIENCE DAY-2021

ONLINE POSTER EXHIBITION

ON

Future of STI : "Impacts on Education Skills and Work"

### CERTIFICATE

This is to certify that Mr./ Miss. Aishwarya V. Pakhale of B. Sc. First/ Second/ Third year, Semester I/ III/ V of PCM/ PEM/ CPM has actively participated/ presented poster in Online Poster Exhibition on the theme: Future of STI: "Impacts on Education Skills and work" organized by Department of Physics, Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud on 27 February 2021.

Coordinator  
Dr. S. V. Khangar (Wagh)

Head of the Department  
Dr. Y. S. Tamgadge

Date: 02-03-2021

Dr. S. V. Khangar (Wagh)  
(Co-ordinator)

Dr. Y.S Tamgadge  
(Head of the Department)  
Head

Deptt. of Physics  
Mahatma Fule Arts, Com & Sitaramji  
Chaudhari Science Mahavidyalaya,  
Warud, Dist. Amravati



**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

**Department of Commerce**

**Student's participation in Webinar organized by dept. of commerce**

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science  
Mahavidyalaya, Warud, Dist. Amravati.**

Report on Webinar

**“Opportunities after Graduation”**

The Faculty of Commerce and Management and IQAC, Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist. Amravati., organised a webinar on the topic “Opportunities after Graduation” on 11<sup>th</sup> **July, 2021**. This programme was arranged in the motive of sharing the knowledge of experts and guidance and directions to students about opportunities after graduation.

Principal of the college, Dr. J. D. Wadate, sent good wishes for webinar. The resource person for the webinar was Dr. Atul Charde, Dean Admission, MBA and Dr. Hitesh Vaswani, Head, MBA, Nabira Mahavidyalaya, Katol.

The programme started at 3.00 p.m. with a welcome speech and an opening remark delivered by Mrs. Madhuri Umekar, Head and Associate Professor, Faculty of Commerce and Management and Coordinator of webinar organising committee. She welcomed the speaker and participants of the event.

The speaker of the session Dr. Hitesh Vaswani addressed the participants with his inspirational words. . He inspired the audience by lively interacting on topic.

Dr. Atul Charde emphasized that career planning is answer of the question "What are we doing after graduation?" We are aware that in today's world having a job is a necessity of life. He highlighted the importance and necessity of such career awareness programmes for the students. He encouraged the students to become job

creators rather than job seekers. The extension lecture concluded with clarification and answering of the queries of the participants. The webinar was attended by around 40 participants.

The overall organization and deliverance of the webinar was helpful and satisfied the participants. The session ended with a round of discussion and vote of thanks by Mrs. Madhuri Umekar. In her thanks giving speech she specially thanked the respected principal Dr. J. D. Wadate and IQAC Coordinator Dr. Sanjay Satpute for his support. Similarly she also thanked all the students who actively participated in the webinar.

*M Umekar*

**HEAD**  
**Dept. of Commerce**  
M.F. Arts, Comm. & S.C. Science  
College, Warud, Dist. Amr. 444901



*J. D. Wadate*  
**Principal**  
Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

MAHATMA FULE ARTS, COMMERCE &  
SITARAMJI CHOUDHARI SCIENCE  
MAHAVIDYALAY, WARUD

WE INVITE YOU TO JOIN  
WEBINAR ON

OPPORTUNITIES  
AFTER GRADUATION

AFTER COVID  
19

Join on zoom

July 11 | 3.00

PM

Link:

<https://us02web.zoom.us/j/81267660129?>

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Zz09



  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

## Resource Persons

Dr. Atul S. Charde

Dean Admission, MBA

Nabira Mahavidyalaya, katol.

Dr. Hitesh L. Vaswani

HOD, MBA,

Nabira Mahavidyalaya, katol.

## Faculty of Commerce and Management & IQAC

Mahatma fule Arts, Commerce &  
Sitaramji Choudhari Science  
Mahavidyalaya, Warud

Coordinator

**Prof. Madhuri Umekar**

HOD, Commerce Department.

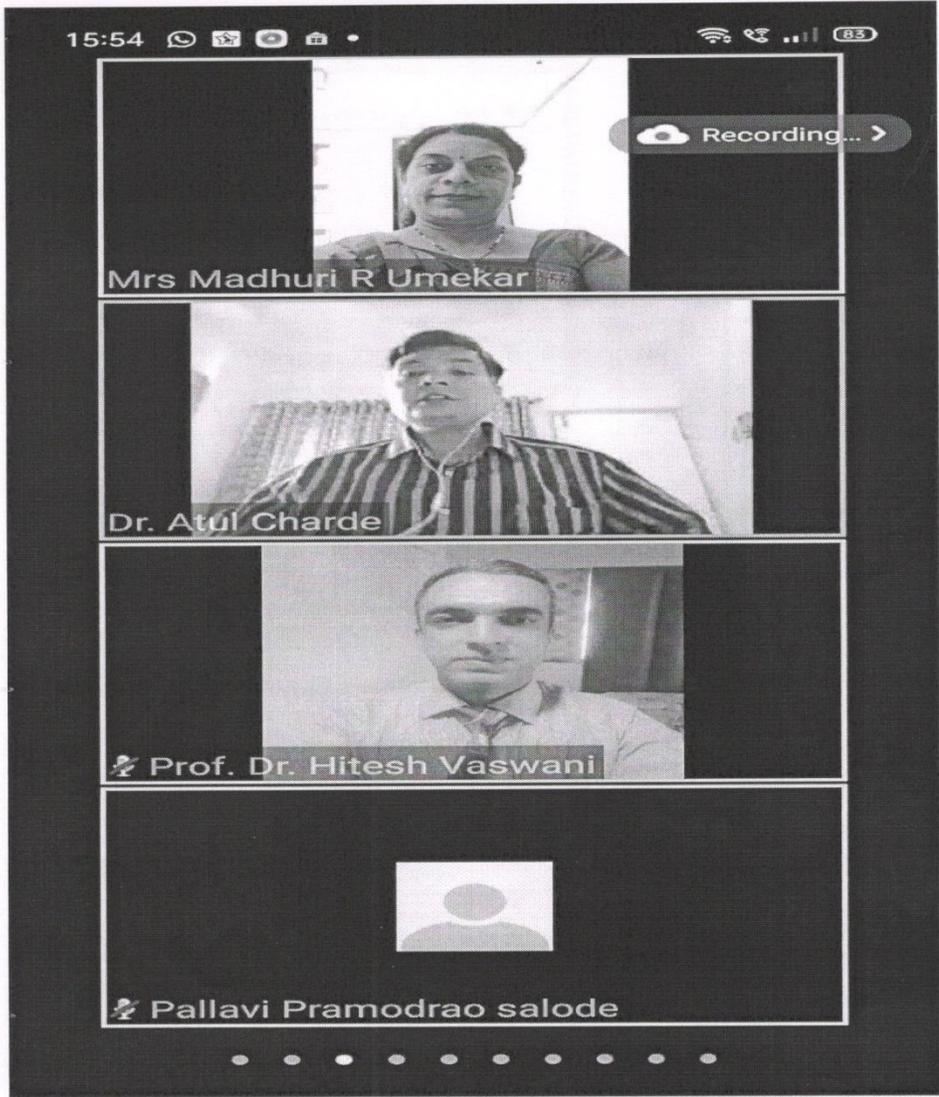
Principal

**Dr. J. D. Wadate**

Mahatma fule Arts, Commerce &  
Sitaramji Choudhari Science Mahavidyalaya,  
Warud.



  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Choudhari Science Mahavidyalaya, Warud



  
**Principal**  
Maharma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud



*M. Ruben*

**HEAD**  
**Dept. of Commerce**  
 M.F. Arts, Comm. & S.C. Science  
 College, Warud. Dist.Amt.44490



*[Signature]*  
**Principal**  
 Maharaja Fule Arts, Comm. & Sitaramji  
 Chaudhari Science Mahavidyalaya, Warud

## Problem solving Method

### Department of physics organized A Physics Quiz Board named as “Brain Digger” on the occasion of National Science Day

Shri. Shivaji Education Society, Amravati's  
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science College, Warud, Dist. Amravati

**Department of Physics**

**A Report on**

#### **“BRAIN DIGGER (A Physics Quiz Board)**

Department of Physics, MFM Warud always try to improving their departmental Best Practices by adding various new activities such as poster exhibitions, fabrications of various experimental units, etc.

For the academic session 2020-21, the department has started a new activity ‘**BRAIN DIGGER**’ (Physics Quiz Board) as a Best Practice. This innovative Best Practice was implemented on the occasion of **National Science Day 2021**. It was inaugurated at the hands of Hon’ble Principal Dr. J. D. Wadate on 27<sup>th</sup> February 2021 at 12.00 noon.



Followings are the some interesting features about this Best Practice.

- This quiz is aimed to trigger the logical thinking capabilities of the students.
- The quiz is solely sponsored by the Volunteer Teachers of the department.
- Each Faculty from this department will write a physics quiz which would be of very fundamental kind of nature and student has to dig his brain to solve the quiz thereby understanding the concepts of physics.
- Any B.Sc. student can solve the quiz on the board itself and write his /her name after solving it. If answer is correct, the student will get the prize with the hands of Quiz Sponsoring Teacher.

Due to COVID-19 Pandemic, this quiz has opened online and students have submitted the answer through the WhatsApp group of respective class.

**Quiz 1: The first quiz was sponsored by Dr. Y.S. Tamgadge on 27 February 2021.**

The quiz was “Newton’s 1<sup>st</sup> law states that ‘if a body is initiating at rest, it will continue to be at rest and if initially moving then it will continue its motion with constant velocity’. i.e. if  $\vec{F} = 0$  then  $\vec{a} = 0$  & if  $\vec{a} = 0$  then  $\vec{F} = 0$ . Is this law valid in all frames of references? Explain your answer.”



  
**Principal**  
Mahatma Fule Arts, Comm. & Sitaramji  
Chaudhari Science Mahavidyalaya, Warud

The time period given to solve this quiz was one month which was extended for another month. Many students participated to this quiz board activity. Following are names of students who participated to the quiz 1.

- 1) Prerana Chandrakant Jadhav BSc I Sem I
- 2) Arvind Kailas Ram BSc II Sem III
- 3) Sharwari Gawande BSc II Sem III
- 4) Shraddha Anilrao Ande BSc I Sem I
- 5) Nakul Nimje BSc III Sem V
- 6) Gaurav Satav BSc III Sem V

Among these students the most relevant answer was given by Mr. Gaurav Satav BSc III Sem V.

Mr. Gaurav Satav BSc III Sem V was invited and felicitated on winning the prize of quiz 1 of the Physics Quiz Board. The prize has been given by the sponsored Volunteer Teacher Dr. Y. S. Tamgadga.



**Quiz 2: The 2<sup>nd</sup> quiz was sponsored by our Volunteer Teacher Dr. R.Y. Bakale on 1/05/2021.**

The quiz was "A charge Q is uniformly distributed on the surface of a cube and there is no other charge in consideration. Determine the divergence of electric field 1. Inside the cube 2. Outside the cube. And If we try determine the divergence of  $\frac{\vec{r}}{r^3}$ , then what will be the value of divergence of  $\frac{\vec{r}}{r^3}$  at everywhere except origin?"

The time period given to solve this quiz was one month which was again extended for another month. Many students participated to this quiz board activity. Following are names of students who participated to the quiz 2.

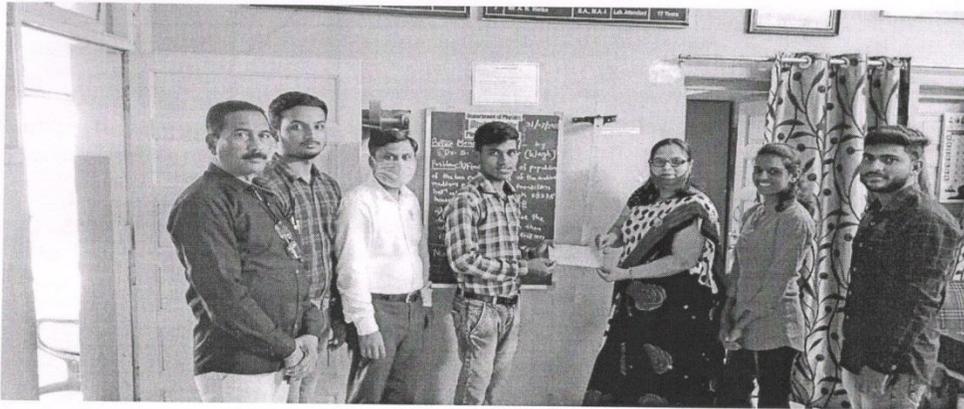
- 1) Arvind Kailas Ram BSc II Sem IV
- 2) Tina Moreshwar Gulhane BSc I sem II
- 3) Sharwari Gawande BSc II Sem IV
- 4) Gaurav Satav BSc III Sem VI
- 5) Shraddha Anilrao Ande BSc I Sem II
- 6) Nakul Nimje BSc III Sem VI



  
**Principal**  
Maharaja Fule Arts, Comm. & Sitaraji  
Chaudhari Science Mahavidyalaya, Warud

Among these students the most relevant answer was given by Mr. Gaurav Satav BSc III Sem VI.

Mr. Gaurav Satav BSc III Sem V was felicitated on winning the prize of quiz 2 of the Physics Quiz Board. The prize was given by the sponsored Volunteer Teacher Dr. R.Y. Bakale.



**Quiz 3: The 3<sup>rd</sup> quiz was sponsored by our Volunteer Teacher Dr. S. V. Khangar on 31/07/2021.**

The quiz was i) find the ratio of population of the two energy states of the active medium producing laser transition between which has wavelength  $6928\text{\AA}$  having temperature  $27^{\circ}\text{C}$ .

ii) If we try to increase the diameter of laser beam then what will be its effect on its application?

The time period given to solve this quiz was one month. And many students participated to this quiz board activity. The students are participating in the quiz.

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