

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

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Dr. J.D. Wadate

Founder President

Dr. Panjabrao

alias Bhausaheb Deshmukh
M.A., D. Phil., LL.B., Bar-at-Law

2.2.1. The Institution Assesses the Learning levels of the Students and Organizes Special Programmes for Advanced Learners and Slow Learners

- **ICT Facilities**
- **PPT**
- **Google forms for online tests, home assignments**
- **Special Programmes for Advanced Learners**
- **University Merits during the year 2020-21**

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	https://youtube.com/channel/UCBgflhvaUs8xSphV_ZyJffg
2	Dr. R. S. Wadbude	Mathematics	https://www.youtube.com/channel/UCILyjPsMEFaKlqDI6jE_l4w/featured
3	Mr. K. V. Pawar	Electronics	https://youtube.com/channel/UCIZep6WNLDwgNFwoAhatjDA
4	Mr. V. S. Bawane	Mathematics	https://www.youtube.com/channel/UCXj10l1MdgVcSRH1u-lk7yw/videos
5	Mr. P.P. Dolas	Political Science	https://youtube.com/channel/UCxWwccMMn9wIOLCjwA6DkvA
6	Dr. S. A. Kalmegh	Philosophy	https://youtube.com/playlist?list=PLAjQeZi5fpdt5my1Ce2VLpV_YGEBGyjcX
7	Dr. U. B. Sangolkar	Economics	https://youtube.com/channel/UCRn_Gpta9KAsCkH5EP5SH_yw
8	Dr. O.S. Deshmukh	Botany	https://youtube.com/channel/UCxLUWiHIOHms0wQApRH_vuvw
9	Ms. M.R. Umekar	Commerce	https://www.youtube.com/channel/UCU9B2Cark1WoGVfUWk8Nfsg/
10	Dr. S.R. Kondulkar	Zoology	https://youtube.com/channel/UC2x8Dr2gNuOsBs6yqC7mrWQ
11	Dr. Rajesh Mirge	Marathi	https://youtube.com/channel/UCefiAGWcTUh4glyl0IId-BA



12	Dr. R. P. Ganorkar	Chemistry	https://youtube.com/playlist?list=PLr-5RMWe7HCt6Clulb47QGyHAqUFBdkTx
13	Dr. Y.S. Tamgadge	Physics	https://youtube.com/channel/UCqfK5ozRmfMRKjrliSeN9dw
14	Dr. A. K. Wanjari	Chemistry	https://youtube.com/user/8087920416
15	Dr. Ku. P. J. Deshmukh	Botany	https://youtube.com/channel/UCIbF4naziAXG1kQIER3ChXA
16	Dr. Ku. S. K. Ulhe	Botany	https://youtube.com/channel/UC5UwymSmLtVGTKPssBPEsYQ
17	Dr. Ku. V. S. Panchwate	Zoology	https://youtube.com/channel/UCSkNgfBe1wXRBNRZidVeDGw
18	Shri K. D. Ingle	Zoology	https://youtube.com/channel/UC11U51QaEgQ08nLrlLenQ
19	Ku. A. B. Patil	Physics	https://youtube.com/channel/UCvreQxU1yIAOZXs9_zv11Ug
20	Dr. A. S. Abdul Majjeed	Zoology	https://youtube.com/channel/UCJLQEIc_Y-stKdt1j8q0uiQ
21	Dr. Sau. R. Y. Bakale	Physics	https://youtube.com/channel/UCjeMyo_nAyXcjb99PpPHMw

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Choudhari Science College, Warud



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

DEPARTMENT OF CHEMISTRY

ICT LECTURES YOUTUBE LINKS

Dr. U.E. Chaudhari
https://youtu.be/z0qPSYV0dJ4
https://youtu.be/T_HhwL4P_wU
https://youtu.be/ZUrOGIFWPlo
https://youtu.be/CFi0PMGvLx0
https://youtu.be/vFhuRJ0XeKw

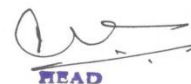
Dr. A.K. Wanjari
https://youtu.be/H2AuzVYYF4g
https://youtu.be/swgO-5Z_27I
https://youtu.be/GIMAF1hDBCI
https://youtu.be/aHVPgYdCuOM
https://youtu.be/HQk9MLeIflo
https://youtu.be/0t4SwCiglCW
https://youtu.be/NmMdK6Xfvr8

Dr. R.S. Talegaonkar
https://youtu.be/niu1STE3GsE

Dr. Rajesh P. Ganorkar
https://youtu.be/IJPe4pPKt04
https://youtu.be/3HYg56FJEwg
https://youtu.be/F4jZBWk1P84
https://youtu.be/Su5HNgeyXQ4
https://youtu.be/2GKII2EI5jo
https://youtu.be/rFltW_q7eNQ
https://youtu.be/Cc7sdxT67Rk
https://youtu.be/lVhnSooPTwU
https://youtu.be/czbhkYxFfy8
https://youtu.be/nUxs0ZTJqDs

Mr. S.R. Kolteke
https://youtu.be/LM3nx23pZMA

Dr. P.U. Belsare
https://youtu.be/l9WdnWzF-p8
https://youtu.be/os38GRmv_io



HEAD
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MAHATMA FULE ARTS COMMERCE AND SITARAMJI CHAUDHARI SCIENCE
MAHAVIDYALAYA WARUD

DEPARTMENT OF ZOOLOGY

ICT TOOL

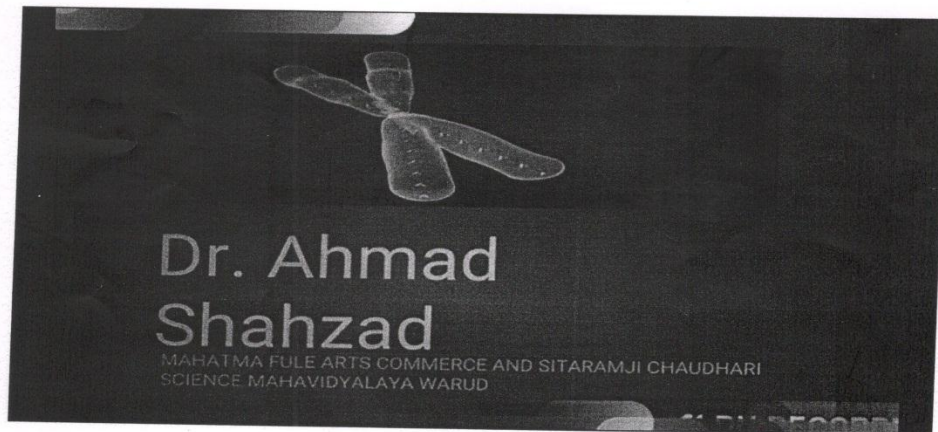
DR. AHMAD SHAHZAD

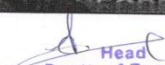
Assistant Professor

Zoology Department

Sr. No	Topic	YouTube Link \ PPT
1	Bird and Mammals	PPT
2	Blood Group and Rh-Factor	https://www.youtube.com/watch?v=vBQ14FIXZ1g&t=3s
3	Human Heart	PPT
4	Transcription	https://www.youtube.com/watch?v=q2jfNG_fA8w&t=48s
5	Chromosome	https://www.youtube.com/watch?v=Uhv2zCeve0c&t=36s
6	Cell Structure and Function	https://www.youtube.com/watch?v=kPw1uidp4Zc&t=37s
7	RNA	https://www.youtube.com/watch?v=ML1L4mYkrOc&t=70s
8	Hershey and Chase Experiment	https://www.youtube.com/watch?v=Gbb-Sx0Josw&t=26s
9	Why DNA Genetic Material	https://www.youtube.com/watch?v=cX4_15327_Q&t=10s
10	DNA	https://www.youtube.com/watch?v=hkz0KctgZnc&t=133s

Proof Screen Shot




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Studio Search across your channel **CREATE**

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

Channel content

Videos Live

Filter

☐	Video	Visibility	Restricti
☐	 introduction to chemistry apparatus Add description	Public	None
☐	 Video lecture on volumetric analysis from R.S. T... Add description	Public	None

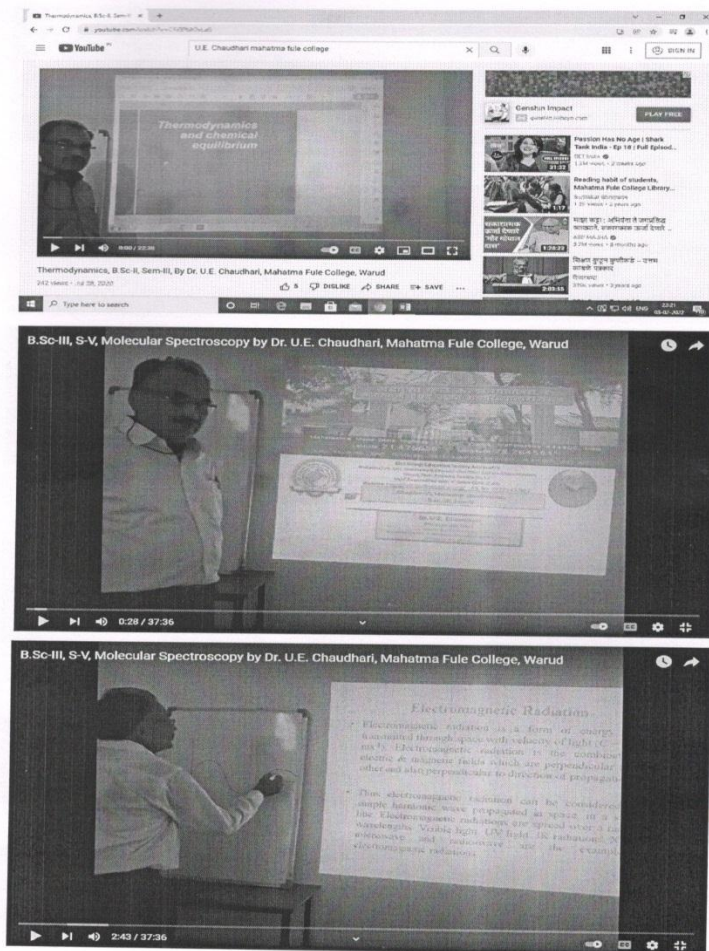
Rows per page: 30 1-2 of 2

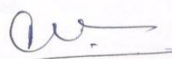
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Chaudhari Science M. Ward




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Dr. U.E. Chaudhari
Lectures available on YouTube

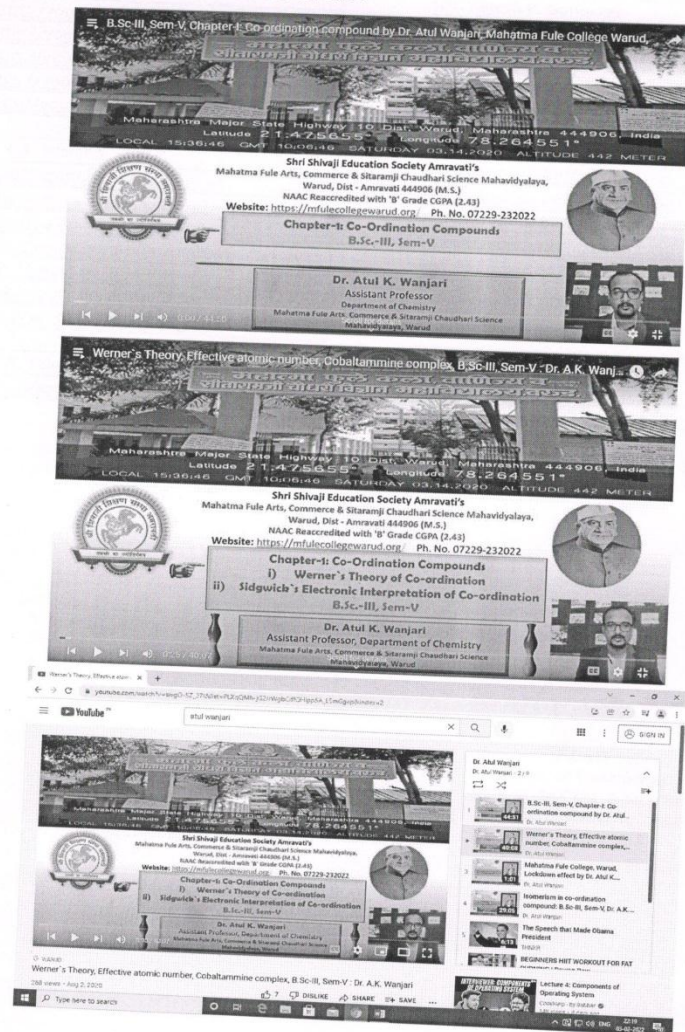



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Dr. A.K. Wanjari
Lectures available on YouTube



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MEAD

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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.ssesss.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/elSeESyrlsw>

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



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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
8. 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
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

Practical demonstration YouTube link for B.Sc. Vth Sem

1. 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/-5S2I9JBjYrU>

YouTube Link for B.sc VI Sem Unite III Crystallography

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

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

Practical demonstration YouTube link for B.Sc. VIth Sem

1. https://youtu.be/r_ljUMdo2gY

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

YouTube Channel Link

https://youtube.com/channel/UCjeMyo_nAyXcjyb99PHPHMw

Submitted by
Dr. R. Y. Bakale


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

You Tube Links: Ku. Rashmi Charjan

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. The channel name is 'rashmi charjan' with 4 subscribers. The page is divided into sections: HOME, VIDEOS, PLAYLISTS, CHANNELS, and ABOUT. Under the 'VIDEOS' tab, there are three video uploads:

Video Title	Upload Date	Views	Time Ago
practical on c compiler	April 10, 2021	1 view	9 months ago
practical on c compiler	April 10, 2021	18 views	9 months ago
Introduction to C programming	March 28, 2021	43 views	9 months ago

Below the video list, there is a section titled 'BEST OF YOUTUBE' with a 'Music' category.

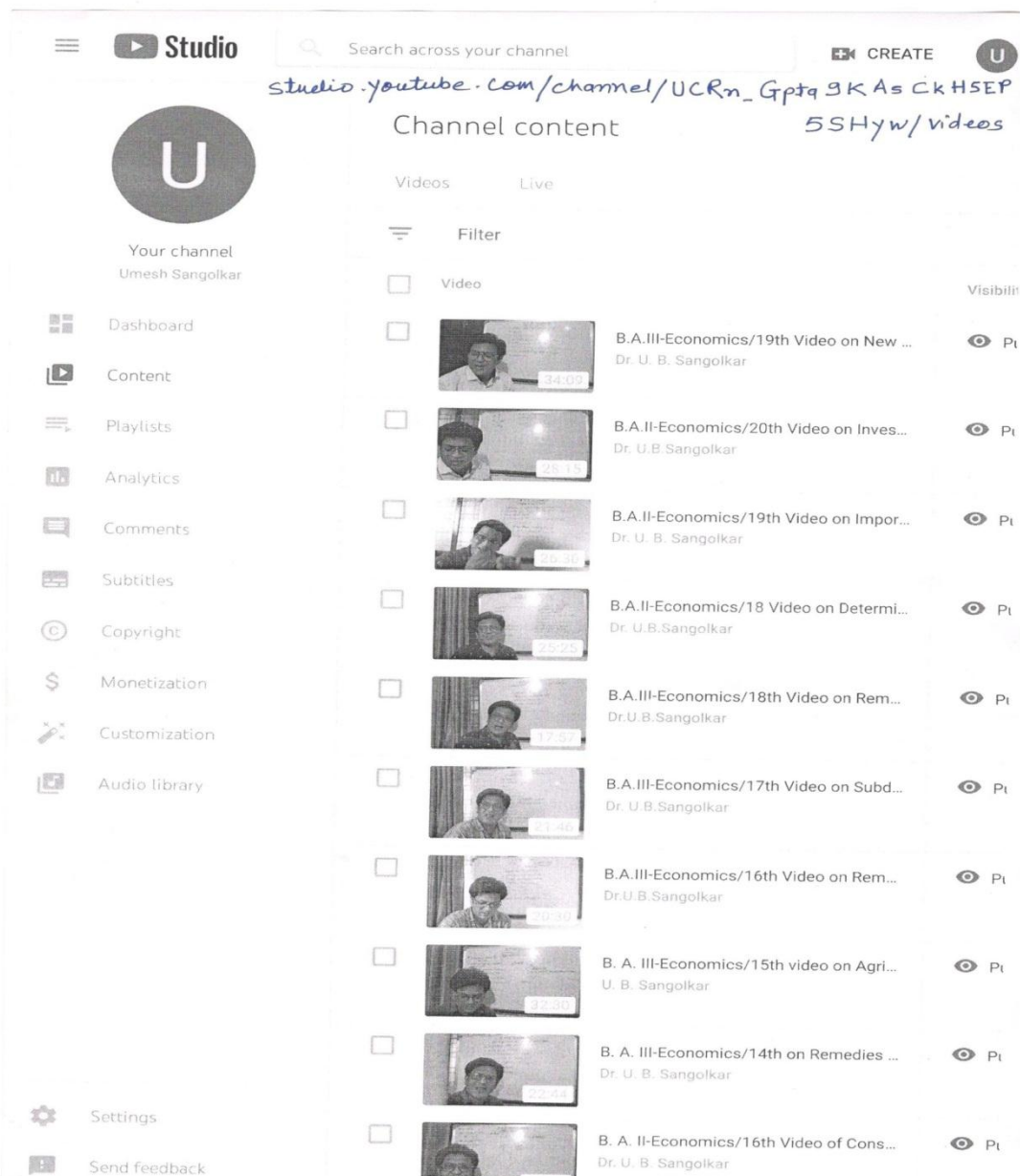
Handwritten notes below the screenshot provide YouTube links:

- 1] <https://youtu.be/HBT718CpkHY>
- 2] https://youtu.be/XaeipPo_zfI
- 3] <https://youtu.be/D9AW1ij-mUg>




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




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

You-Tube Links: Dr. Rajesh Mirge

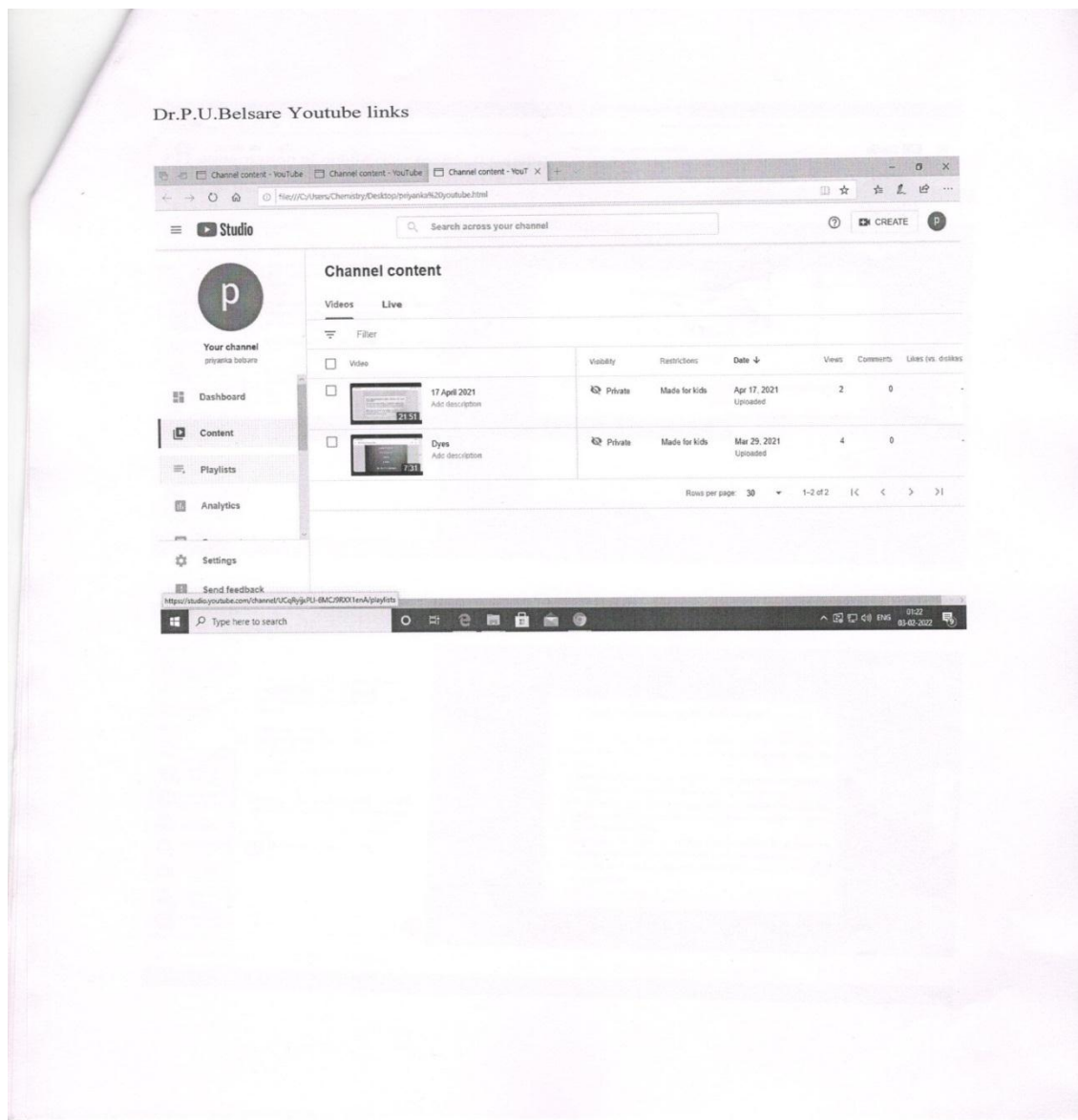

 महात्मा विभाग प्रमुख
 महात्मा फुले कला, वाणिज्य व सीतारामजी
 चौधरी विज्ञान महाविद्यालय, वरुड

प्राचार्य
 महात्मा फुले कला, वाणिज्य व
 सीतारामजी चौधरी विज्ञान महा. वरुड



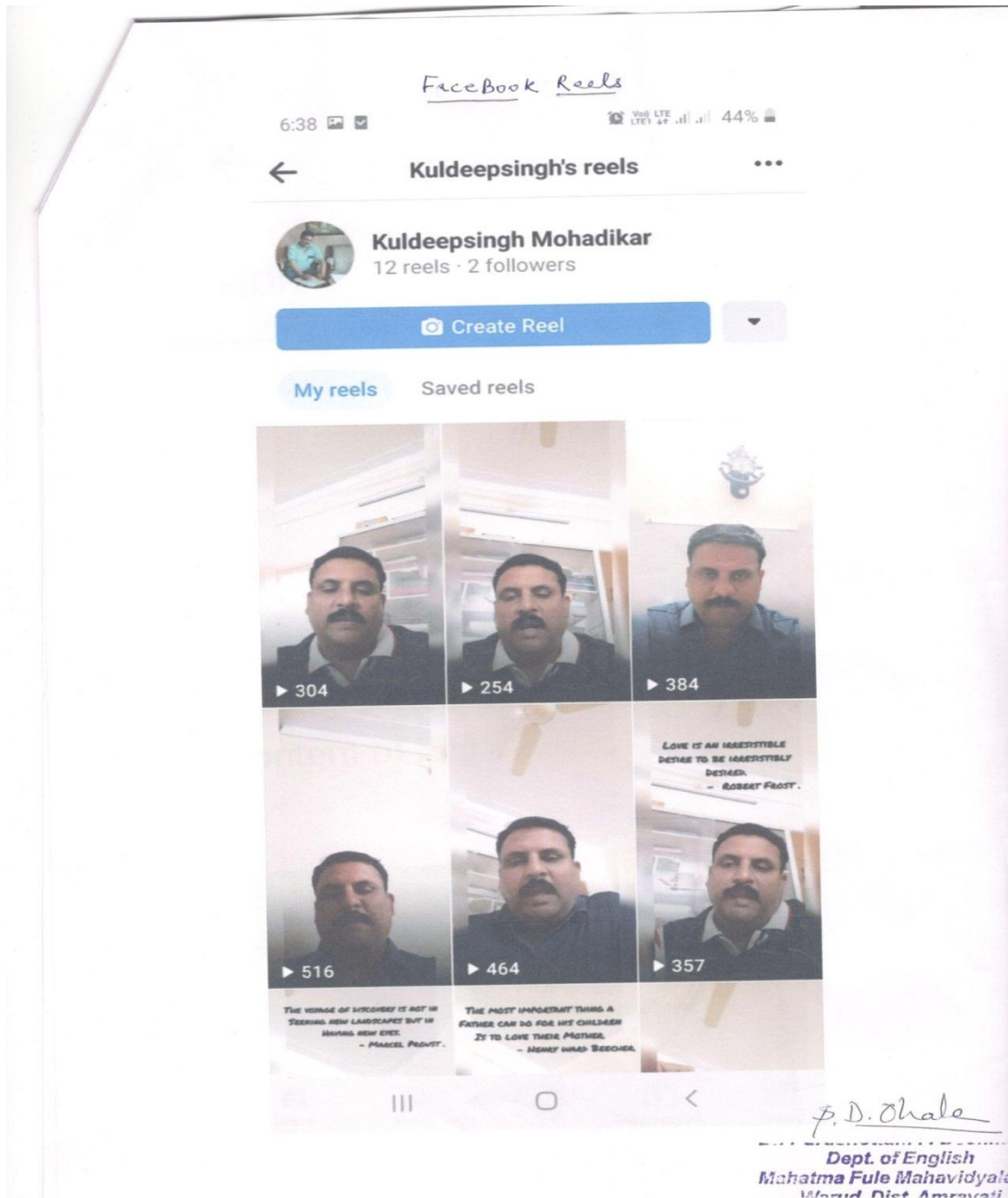

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 Chaudhari Science Mahavidyalaya, Wargud

You-Tube Links: Dr. P. U. Belsare




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You-Tube Links: Dr. Kuldeepsingh Mohadikar



Instagram

6:37

VoLTE LTE 44%

kuldeepmohadikar



S. D. Chale

6:37

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13
Posts

83
Followers

70
Following

Kuldeepsingh Mohadikar

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Highlights



New



▷ 12



▷ 15



▷ 19



HOME

VIDEOS

PLAYLISTS

CHANNELS

ABOUT



Storyline of "A Suitable Boy" :
by Vikram Seth presented
by Dr Kuldeepsingh Moha...
733 views · 1 year ago



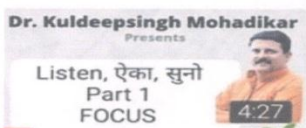
Three Hermits by Leo
Tolstoy presented by
Kuldeep Mohadikar.
698 views · 10 months ago



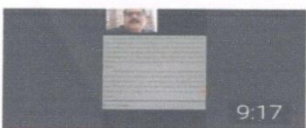
Honesty.....
502 views · 1 month ago



Love story novel written by :
Erich Segal
361 views · 1 year ago



Listen, ऐका, सुनो | Part 1 |
FOCUS | Dr. Kuldeepsing
Mohadikar
274 views · 2 months ago



Story "Open Window "
by Saki presented by Dr
Kuldeep Mohadikar
176 views · 1 year ago



HOPE.....
167 views · 3 weeks ago



Home



Shorts



Subscriptions



Library




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**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud.
Department Of Botany**

Dr. Pranjali J. Deshmukh
Assistant Professor

You Tube Links :-

1. <https://youtu.be/UhAELJGjE>
2. <https://youtu.be/gDHDB0UnUb0>
3. https://youtu.be/Xdfq_U8KzkI
4. <https://youtu.be/NiRjj2Azqss>
5. <https://youtu.be/Oq70gbdfNlc>
6. <https://youtu.be/30XszllHshE>
7. https://youtu.be/0R9z_MRdQLg
8. <https://youtu.be/CLSTHD2LrUM>
9. <https://youtu.be/30XszllHshE>

Dr.Mrs. Sharayu S. Deshmukh

Class-B.Sc-I,II,III years

You-tube link

<https://youtu.be/mACPwCMsZD4>

<https://youtu.be/f9p8JUYhtg>

<https://youtu.be/mACPwCMsZD4>

<https://youtu.be/f9p8JUYht-g>

<https://youtu.be/ppIGEuuKXa4>

<https://youtu.be/QnaPqqG4hc>

<https://youtu.be/k7wcLnFAtb8>




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

You-Tube Links: Mrs. M. R. Umekar

Mrs. M. R. Umekar

Faculty of Commerce & Management

Online Teaching Videos - Youtube links

1. <https://youtu.be/IJyoER9v5Rs>
2. <https://youtu.be/oC8LRjYTmz4>
3. <https://youtu.be/j1cNzXIUQ6k>
4. <https://youtu.be/T3BAzn1mL-Y>
5. <https://youtu.be/IP22alYxlaE>
6. <https://youtu.be/T3BAzn1mL-Y>
7. <https://youtu.be/48geeLPiSrg>
8. <https://youtu.be/CpGxGk9L6mI>
9. <https://youtu.be/rSwARQdO4Y0>
10. <https://youtu.be/RULeKovtysg>
11. https://youtu.be/-Nh_QkyHKnY
12. <https://youtu.be/FpasUvF5Oi8>
13. <https://youtu.be/FMx-KaagyAE>
14. <https://youtu.be/jkqpMRBZZzA>

M. R. Umekar

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



M. R. Umekar
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Chaudhari Science Mahavidyalaya, Warud

You-Tube Links: Ku. A. B. Patil

Shri Shivaji Education Society Amravati's
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya,
Warud, Dist. Amravati 444906.

Department of Physics YouTube links of A.B. Patil

Google form links for the unit test, assignment, project and seminar ppt presentation.

1. https://docs.google.com/forms/d/e/1FAIpQLSf6n7-zu7_Jl3sdIGlOnfejekYju6t0F46oM6Pwzf8kl3p7g/viewform?usp=sf_link
2. https://docs.google.com/forms/d/e/1FAIpQLSeR28DYRuLxhiEQ2BXQaBgLIWfqYxhoDY-dZysWnMIAH1L8bg/viewform?usp=sf_link
3. https://docs.google.com/forms/d/e/1FAIpQLSfDDmX5ix6riRJ39xzYQnHcv6ynrZHQiAhIE4pMxjuqxtDw/viewform?usp=sf_link
4. https://docs.google.com/forms/d/e/1FAIpQLSeUGBNK8PJHTfMAZ5ODfv-bLGqouGfiQTYleC3ZHsJegLFizw/viewform?usp=sf_link
5. https://docs.google.com/forms/d/e/1FAIpQLSffW18izOF-PFqiHUGkixBhpMGOBxBNucYcrY5wrA4_cj8ig/viewform?usp=sf_link
6. https://docs.google.com/forms/d/e/1FAIpQLScSB8oGa7P_Na2t_SyFYkRdvw2s9dWaiTP2zxrDNaV45xuepA/viewform?usp=sf_link

You Tube links for online teaching:

1. Youtube link for BSc Sem III :

- <https://youtu.be/YtI-Foujv7A>
- <https://youtu.be/eUzVssCgbmU>
- <https://youtu.be/-EvedNAhA9g>
- <https://youtu.be/HKLaLTNxPMA>
- https://youtu.be/4TsS_7nToQw
- <https://youtu.be/5E7Mj8Kf9rw>
- https://youtu.be/maKLiI_J-ne
- <https://youtu.be/BmYBBgVKsdc>
- <https://youtu.be/oc7UF1W9vM8>

2. Youtube link for BSc Sem V :

- <https://youtu.be/DFm7GbvHxho>
- <https://youtu.be/9YqvMjDlC0A>
- <https://youtu.be/X9TqEHA7Wz4>
- <https://youtu.be/Kovko2MVEa8>
- <https://youtu.be/hw284RSPKAE>

3. Youtube link for BSc Sem VI :

- <https://youtu.be/xXILCxR5MH4>
- <https://youtu.be/77vghgu6WRs>
- <https://youtu.be/6i6CoBJo7xk>
- https://youtu.be/G3YfBmD_CqI
- <https://youtu.be/e-WXuN-LGYg>

4. Youtube link for BSc practical :

- <https://youtu.be/7aFXt8uuLDI>
- <https://youtu.be/vTDg3an92ME>
- <https://youtu.be/FvFlqemzmk>
- <https://youtu.be/W7c7x08td-A>
- <https://youtu.be/SF8onuvqgE>


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PPT :Dr. Mrs. R.Y.Bakale


 Director General of Industries, Government of Karnataka
 Mahatma Jyoti Bapu, Commerce & Entrepreneurship Development Scheme
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5.2 BALLISTIC GALVANOMETERS

Introduction

A ballistic galvanometer is used to measure the charge which passes through it not as a steady current but as a sudden discharge.

Conditions for galvanometer to be ballistic

The periodic time of oscillation should be large

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

- For the time constant of inertia of the moving system must be large
- The suspension wire should be fine and long so that the couple per unit twist (k) should be small
- The damping must be very small. To reduce the damping,
 - Coil is wound on non-conducting frame
 - Soft iron core is not used

Construction

- (1) **Cold PQMR:** Is consists of the following parts:
 - (a) Cold PQMR: Is made rectangular and of large number of turns of an insulated copper wire surrounded by fine wire in a strong magnetic field.
 - (b) Strong magnetic and soft iron cylinder: Soft iron ring shaped permanent magnet whose pole faces are circularly convex. The soft iron core C is fixed in the space between the poles of the coil. Strong gird produces strong radial magnetic field, so that it may take the place of soft wire shall parallel to the magnetic induction field.
 - (c) Lamp and scale arrangement: Small circular phase mirror is attached to the magnetous wire. This mirror reflects the incident rays of light from lamp. The reflected spot can be observed (measured) on the scale.



Let n = number of turns of coil
 l = length of the coil (PS or QS side)
 a = breadth of the coil (PQ or RS side)
 d = d = d = distance of the coil
 i = strong magnetic induction field
 During sudden discharge, current i flows for a very short time Δt , and it produces an magnetic flux on each vertical side of coil = $n \cdot i \cdot l \cdot d$

Impulse given to each vertical side of coil during short time Δt = $n \cdot i \cdot l \cdot d \cdot \Delta t$

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

Total impulse given to ball during time $t = \int_0^t n(t) dt \leq \Delta t$
 $= n(B) \Delta t$
 $= n(B)g$

This implies inverse relation of n and phase the size of impulse.

Moment of impulse $= n(B)g \Delta t \times b$
 $= n(B)g$

Size moment of impulse is equal to the impulse moment of the ball.

Negative moment $= -n$

When $t =$ instant of touch of ball
 so negative velocity of the ball.

$n \Delta B \Delta t = 0$

New kinetic energy of rotation of the coil is $\frac{1}{2} I \omega^2$, which is used in rotating the coil against the torques τ_1 and τ_2 in the suspension wire. If θ is angle of the rotation, then due to twisting, $\tau = C \theta$ is the restoring couple per unit twist of the wire wire.

The couple required to twist the suspension wire through angle $\theta = C \theta$.

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

Let θ be the three observed deflections. So, the total work done in twisting the suspension wire from θ_1 to θ_3 is $\int_{\theta_1}^{\theta_3} C \theta d\theta = \frac{1}{2} C \theta^2$ (2)

Gravitational loss and gains are zero since when

$$\frac{1}{2} I \omega^2 = \frac{1}{2} C \theta^2$$
$$\omega^2 = \frac{C}{I} \theta^2 \quad \text{or} \quad \omega = \sqrt{\frac{C}{I}} \theta \quad \text{..... (3)}$$

Now, separating equation (1), we get

$$v^2 \Delta W(q) = v^2 \omega^2$$

Putting the value of ω^2 from equation (3)

$$v^2 \Delta W(q) = v^2 \frac{1}{R_0^2} R_0^2$$

$$v^2 \Delta W(q) = \frac{1}{R_0^2} R_0^2$$

$$v^2 = \frac{R_0^2}{v^2 \Delta W} R_0^2 \dots \dots \dots (4)$$

Now the parallel time T for the scaling of the unit

$$T = 2n \left(\frac{1}{q} \right) = 4 \cdot \frac{1}{2} \left(\frac{1}{2} \right) = 1$$

Now putting the value of T in equation (1), we get

$$q^2 = \frac{p^2(n)}{n^2 \cdot p^2 \cdot \left(\frac{1}{q} \right)^2} \left[\frac{1}{2} \right]$$

$$q = \frac{p}{2} \cdot \frac{1}{p} \cdot \frac{1}{p} \cdot \frac{1}{q} \cdot \frac{1}{2} \quad \text{or} \quad q = \frac{1}{4p^2} \quad (5)$$

Here $q = \frac{1}{4p^2}$ is known as inverse reduction factor (Inverse cost requires the unit decreases) and $K' = \frac{1}{4p^2} \cdot \frac{1}{p} \cdot \frac{1}{p} = \frac{1}{4p^4}$ is known as halving reduction factor (Inverse charge required for unit decrease)

5.2.3 Effect of damping

While deriving the equation $\frac{d}{dt} \left(\frac{1}{2} \dot{\theta}^2 + \frac{1}{2} g l \theta^2 \right) = 0$ we assume that while kinetic energy is increasing, $\frac{1}{2} m l^2 \dot{\theta}^2$ is equal to twice the compression times the spring, this is not true. The reason of the soil is adjacent to small damping present and hence part of the kinetic energy of rotation is used up in overcoming the damping present in ballistic galvanometer.

4. Electromagnetic damping

It arises due to induced, eddy currents in the coil and frame of ballistic galvanometer. This damping can be reduced by shielding it on a heavy non conducting frame.

5. Air friction or viscosity of air.

It arises due to viscosity of air. Friction of air, elasticity of

6. Mechanical damping

It arises due to viscosity of air. Friction of air, elasticity of

Correction of damping



Let $\theta_1, \theta_2, \theta_3, \theta_4, \dots$ be the successive throws observed both the sides of the central point then it is found that

$$\frac{\theta_1}{\theta_2} = \frac{\theta_3}{\theta_4} = \dots = d$$

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

Taking log of both the sides we get

$$\log \frac{\theta_1}{\theta_2} = \log \frac{\theta_3}{\theta_4} = \dots = \log d$$

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

No. $\log_e d = \lambda$

$$\frac{\theta_1}{\theta_2} = \frac{\theta_3}{\theta_4} = \dots = d = e^{-\lambda}$$

Now, $\frac{\theta_1}{\theta_2} = \frac{\theta_3}{\theta_4} = \dots = d = e^{-\lambda}$

(i.e. decrement in one swing is $e^{-\lambda}$)

and $\frac{\theta_1}{\theta_2} = \frac{\theta_3}{\theta_4} = \dots = d = e^{-\lambda}$

(i.e. decrement in three swings is $e^{-3\lambda}$)

Hence, decrement is half swing is $e^{-\lambda/2}$

If θ_1 is the first observed throw and θ_n is the n th throw in the absence of damping

$$\frac{\theta_1}{\theta_n} = e^{-\lambda n/2}$$

$$\theta_1 = \theta_n \left(1 + \frac{\lambda}{2} + \frac{\lambda^2}{2!} + \dots \right)$$

$\theta_1 = \theta_2 (1 + \frac{\lambda}{2})$

(i.e. small, we neglect higher order terms of λ)

$$\theta_1 = \theta_2 (1 + \frac{\lambda}{2})$$

Then the value of λ is given by

$$\lambda = \frac{2}{\theta_1} \left(\theta_1 - \theta_2 \right) (1 + \frac{\lambda}{2})$$

The value of λ can be calculated as follows

$$\frac{\theta_1}{\theta_2} = e^{-\lambda/2} \Rightarrow \lambda = \frac{2}{\theta_1} \log \frac{\theta_1}{\theta_2}$$

8.2.3 Current and Charge Sensitivity

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 case of a ballistic galvanometer, the standard input will be 1 microcoulomb of charge.

For moving coil galvanometer, when steady current flows, it gives steady deflection θ .

$$\theta = \frac{1}{K} \cdot \frac{1}{N} \cdot \frac{1}{B} \cdot \frac{1}{r}$$

Therefore, Current Sensitivity $\frac{\theta}{I} = \frac{1}{K} \cdot \frac{1}{N} \cdot \frac{1}{B} \cdot \frac{1}{r}$

where θ is in meter and I is in ampere.

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 $\frac{\theta}{I}$.

Charge Sensitivity

The charge sensitivity is defined as the throw in millimetres on the scale 1 meter apart when charge 1 microcoulomb passes through it.

Charge Sensitivity $= \frac{\text{deflection in mm}}{\text{charge in } \mu C}$

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

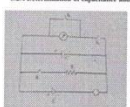
$$S_q = \frac{1}{K} \cdot \frac{1}{N} \cdot \frac{1}{B} \cdot \frac{1}{r} \cdot \frac{1}{C}$$

$$S_q = \frac{1}{K} \cdot \frac{1}{N} \cdot \frac{1}{B} \cdot \frac{1}{r} \cdot \frac{1}{C}$$

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

Figure of merit $= \frac{1}{S_q} = \frac{C}{\theta}$

8.2.4 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 gives first observed throw θ_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 pass through the ballistic galvanometer. The remaining charge q_t on the capacitor is allowed to pass through the ballistic galvanometer, then it gives first observed throw θ_t .

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

Comparing equation (1) and (2) we get

$$\frac{\theta_0}{\theta_t} = \frac{q_0}{q_t} = \frac{CV_0}{CV_t} = \frac{V_0}{V_t} \dots (3)$$

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

Write rate of decrease of charge

$$I = -\frac{dq}{dt} = \frac{d}{dt} (CV_t) = C \frac{dV_t}{dt} \dots (4)$$

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

From equation (4) and (5) we get

$$\frac{1}{R} = -\frac{1}{V_t} \frac{dV_t}{dt} = -\frac{1}{V_t} \frac{d}{dt} \left(\frac{q}{C} \right) = -\frac{1}{C} \frac{1}{V_t} \frac{dq}{dt}$$

Integrating both the sides

$$\frac{1}{R} \int \frac{1}{V_t} dV_t = -\frac{1}{C} \int \frac{1}{V_t} dq$$

$$\frac{1}{R} \log_e V_t = -\frac{1}{C} \log_e V_t$$

$$\frac{1}{R} \log_e \frac{V_0}{V_t} = -\frac{1}{C} \log_e \frac{V_0}{V_t}$$

$$\frac{1}{R} \log_e \frac{V_0}{V_t} = -\frac{1}{C} \log_e \frac{V_0}{V_t}$$

$$\frac{1}{R} \log_e \frac{V_0}{V_t} = -\frac{1}{C} \log_e \frac{V_0}{V_t}$$

$$\frac{1}{R} \log_e \frac{V_0}{V_t} = -\frac{1}{C} \log_e \frac{V_0}{V_t}$$

Identifying the values of θ_0 and θ_t the value of high resistance R can be written as

If θ_0 is the largest observed value of θ and θ_t is the value of θ at any instant, then the value of R is calculated using the formula

$$R = \frac{1}{C} \log_e \frac{\theta_0}{\theta_t}$$

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Thank You

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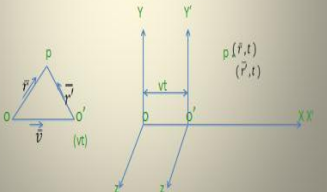
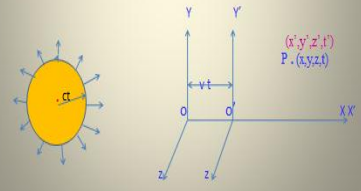
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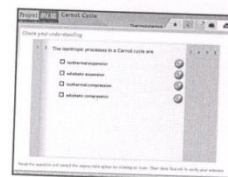
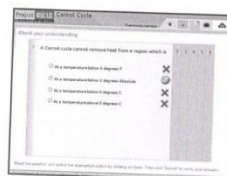
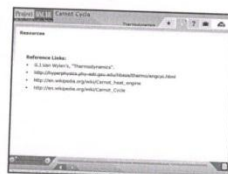
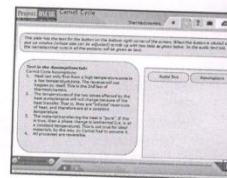
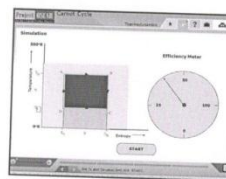
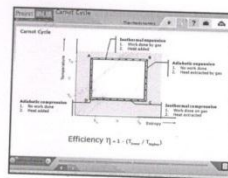
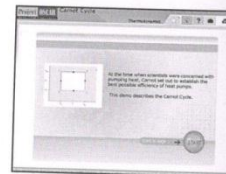
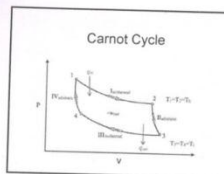
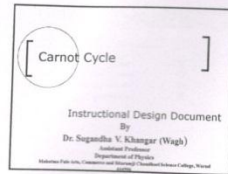
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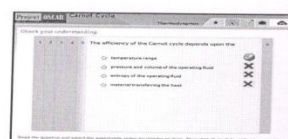
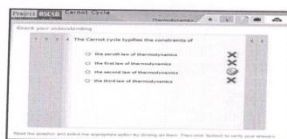
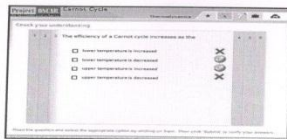
Department of Mathematics Mahatma Fule Arts, Comm. & Sitaramji Chaudhari Science Mahavidyalaya, Warud Special Theory of Relativity Prof. V. S. Bawane Head, Dept. of Mathematics	Introduction - Basic concept in NM - Three laws of motion - Frame of References - Inertial System (Frame) - Non – Inertial System - Event	Galilean Transformation (GT) - Consider two inertial frames S and S' - S' is moving with uniform speed v w. r. to S. - O & O' Observers at origins of S & S' observing the same event at any point p. 
By Triangle law of addition, $\vec{r} = \vec{OO'} + \vec{r'}$ $\Rightarrow \vec{r'} = \vec{r} - \vec{v}t \quad \text{where } \vec{OO'} = \vec{v}t \dots\dots(1)$ The time can be defined independently. $\therefore t' = t \dots\dots\dots(2)$ These equations are Galilean Transformations.	Lorentz Transformation - Consider two inertial frames S and S' - S' is moving with uniform speed V w. r. to S. - O & O' the observers at origins of S & S' observing the same event at any point p. 	The point which is at rest w. r. to S' will move with velocity V relative to S in XX' direction. ie. The point $x' = 0$ is identical with $x = vt$ so that $x' = \gamma(x - vt) \dots\dots\dots(1)$ Where γ is some function of v. Since velocity of S' is along xx' direction, we have $y' = y \text{ \& } z' = z \dots\dots\dots(2)$ Also, $t' = \alpha t + \beta x \dots\dots\dots(3)$ where α & β are functions of v. Equation of spherical wavefront is, $\text{In } S, \quad x^2 + y^2 + z^2 = t^2 \dots\dots\dots(4)$ $\text{In } S', \quad x'^2 + y'^2 + z'^2 = t'^2 \dots\dots\dots(5)$ Putting $x', y', z', \text{ \& } t'$ in equation (5)
We have $t' = \alpha t + \beta x \quad \therefore t' = \alpha t - \frac{\alpha v}{c^2} x = \alpha \left(t - \frac{v x}{c^2} \right)$ $\therefore$ The Lorentz transformation equations are $\begin{aligned} x' &= \alpha(x - vt) \\ y' &= y \\ z' &= z \\ t' &= \alpha \left(t - \frac{v x}{c^2} \right) \quad \text{where } \alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \end{aligned}$ The quantity $\alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}}$ is called as Lorentz contraction factor	Lorentz Inverse Transformations Lorentz Inverse Transformations are, $x = \alpha(x' + vt')$ $y = y'$ $z = z'$ $t = \alpha \left(t' + \frac{v x'}{c^2} \right) \quad \text{where } \alpha = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}}$	References - T M Karade, : Introduction to Special Theory of Relativity Sonu-Nila Publication, Nagpur, Maharashtra. - T M Karade : General Relativity Sonu-Nila publication, Nagpur, Maharashtra. C. Moller : The Theory of Relativity Oxford Clarendon Press, 1952. P. G. Bergman : Introduction to Theory of Relativity, Prentice Hall of India, Pvt. Ltd., 1969 - Roy & Rajbali : Theory of Relativity Jaipur Publishing House, Jaipur.



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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
अम्बानी दाते, सरोजिनी साव्हर शीअन

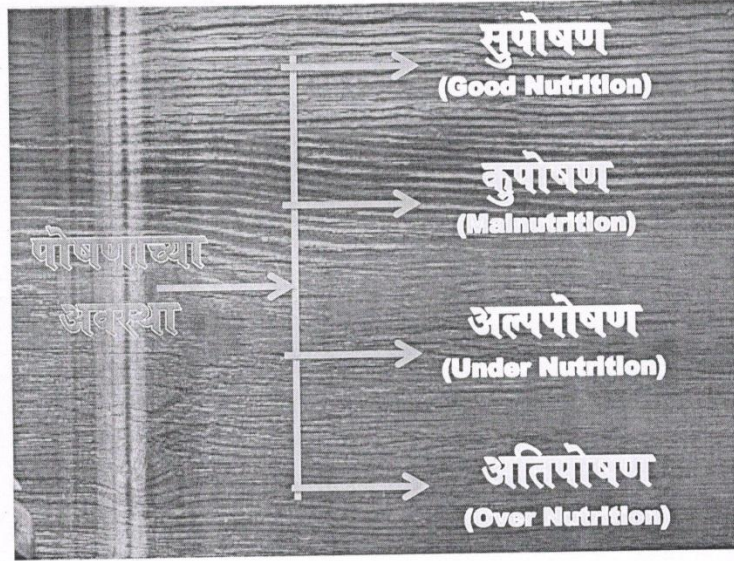
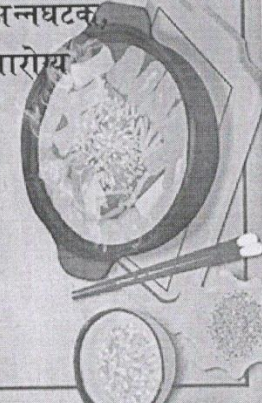
Unit - I

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 देऊस्कर यांच्या मते, जेव्हा शारीरिक आवश्यकतेनुसार काही घटक अंशवात मिळत नाहीत, तर काही घटक कमी किंवा जास्त प्रमाणात मिळतात तेव्हा त्याचे ने परिणाम शरीरावर होतात त्याला कुपोषण म्हणतात.

कुपोषणाचे चार प्रकार आहेत.

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



Proche

Head of the Department
(Home-Economics)

Mahatma Fule Arts, Commerce & S. C. S. S. M. V.
Chaudhari Science Mahavidyalaya



Principal

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

PPT : Dr. P. U. Belsare

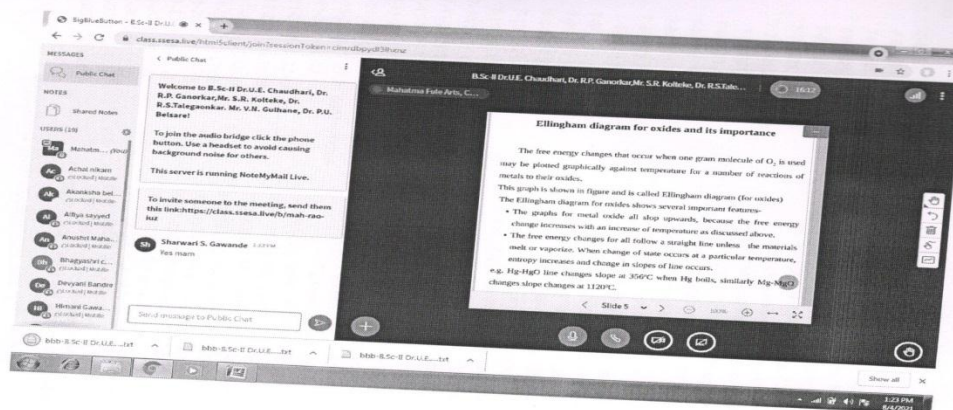
PPT presentation of online class for BSc II (semIV)

The screenshot shows a BigBlueButton online class interface. On the left, there is a sidebar with a 'Public Chat' window displaying a welcome message from Dr. P. U. Belsare and a list of users. The main area displays a presentation slide titled 'Inorganic Chemistry' for 'B.Sc. -II (Sem-IV)' Unit-I, 'Chemistry of Elements of Transition Series', by Dr. P. U. Belsare. The slide is labeled 'Slide 1' and shows a 100% zoom level.

The screenshot shows the same BigBlueButton online class interface, but the presentation has moved to 'Slide 2'. The slide title is 'Factors influencing the choice of extraction process'. The text on the slide discusses the factors to consider when choosing an extraction process, including reactivity, stability, and the nature of the compound. A list of factors is provided:

- 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.

The slide is labeled 'Slide 2' and shows a 100% zoom level. The chat window on the left shows a new message from Sharward S. Gawarede.



[Signature]
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 M.F. Arts, Com. & Sitaramji
 Chaudhari Science M. Warud



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 Chaudhari Science Mahavidyalaya, Warud

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 *

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-2NGaaV9RCdndd0DnSHFC7VT7P54n2n5hdWnUd0A/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 rad s^{-2}
☐ (b) 25 rad s^{-2}
☐ (c) 5 m s^{-2}
☐ (d) 25 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 Sem VI 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

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Internal Assessment Test for B.Sc. VI th SEM


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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

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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

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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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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 minority carrier
- ☐ Recombination
- ☐ negative resistance


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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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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

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Short answer text

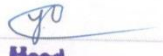
First name *

Short answer text

Middle Name *

Short answer text

Mobile Number *

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1/3

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



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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



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BSc II Sem IV Seminar PPT Submission

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Seminar PPT Submission

Subject : PHYSICS

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4. name of class *

5. email address *

6. whatsapp mobile No *


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22, 2:03 PM

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7. submit your ppt by clicking add file *

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Google forms : Department of Chemistry

BSc-II (Sem-IV)				
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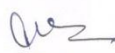


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BSc II(Sem-IV)

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The image displays two Microsoft Excel spreadsheets. The top spreadsheet, titled "Record of Internal Exam(online):", lists student performance data with columns for Timestamp, Email Address, Score, and Student Name. The bottom spreadsheet, titled "Record of online Seminar", lists seminar participation data with columns for Timestamp, Email Address, Name of Student, Topic, and Topic of Seminar. Both documents are open in Microsoft Excel 2019.

Record of Internal Exam(online):

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3/10/2021 9:43:47	sankuashishreddy31@gmail.com	30 / 30	SANKUASHISH REDDY
3/10/2021 9:44:40	shubhishreddy521@gmail.com	18 / 30	SHUBHISH REDDY
3/10/2021 9:49:08	dpajagantam@gmail.com	22 / 30	DEEPA JAGANTAM
3/10/2021 9:50:09	shubhishreddy31@gmail.com	22 / 30	SHUBHISH REDDY
3/10/2021 9:51:12	naresh742@gmail.com	18 / 30	NARESH REDDY
3/10/2021 9:52:12	nareshreddy200@gmail.com	30 / 30	NARESH REDDY
3/10/2021 9:53:26	sankuashishreddy31@gmail.com	20 / 30	SANKUASHISH REDDY
3/10/2021 9:54:40	malahashreddy1@gmail.com	20 / 30	MALAHASH REDDY
3/10/2021 9:54:58	sankuashishreddy31@gmail.com	20 / 30	SANKUASHISH REDDY
3/10/2021 9:54:59	shubhishreddy31@gmail.com	30 / 30	SHUBHISH REDDY
3/10/2021 9:56:04	jayashree20@gmail.com	30 / 30	JAYASHREE REDDY
3/10/2021 9:56:02	sankuashishreddy31@gmail.com	20 / 30	SANKUASHISH REDDY
3/10/2021 9:56:16	debdond@gmail.com	20 / 30	DEBDOND REDDY
3/10/2021 9:56:16	shubhishreddy31@gmail.com	20 / 30	SHUBHISH REDDY
3/10/2021 9:56:26	shubhishreddy31@gmail.com	30 / 30	SHUBHISH REDDY
3/10/2021 9:56:41	gauravkumar1@gmail.com	30 / 30	GAURAV KUMAR
3/10/2021 9:56:47	sankuashishreddy31@gmail.com	30 / 30	SANKUASHISH REDDY
3/10/2021 9:57:42	surajreddy2@gmail.com	30 / 30	SURAJ REDDY
3/10/2021 9:57:45	vishu139@gmail.com	24 / 30	VISHU REDDY
3/10/2021 9:57:51	sankuashishreddy31@gmail.com	24 / 30	SANKUASHISH REDDY
3/10/2021 9:58:15	sankuashishreddy31@gmail.com	30 / 30	SANKUASHISH REDDY
3/10/2021 9:58:56	ankushreddy31@gmail.com	30 / 30	ANKUSH REDDY
3/10/2021 9:59:15	teja793@gmail.com	12 / 30	TEJA REDDY

Record of online Seminar

Timestamp	Email Address	Name of Student	Topic	Topic of Seminar
3/22/2021 1:39:40	malahashreddy31@gmail.com	Malahash Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 1:49:46	umashahreddy31@gmail.com	Umesh Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 2:06:42	Hiteshrreddy31@gmail.com	Hiteshr Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 2:06:48	sankuashishreddy31@gmail.com	Sankuashish Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 2:27:42	malahashreddy31@gmail.com	Malahash Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 2:36:06	sankuashishreddy31@gmail.com	Sankuashish Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 3:00:19	bilgareddy31@gmail.com	Devi Bilgareddy	Topic of Seminar	Topic of Seminar
3/22/2021 3:15:17	namanreddy20@gmail.com	Naman Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 3:41:28	shubhishreddy31@gmail.com	Shubhish Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 3:49:37	sankuashishreddy31@gmail.com	Sankuashish Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 4:09:06	shubhishreddy31@gmail.com	Shubhish Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 4:16:52	Rushikeshreddy31@gmail.com	Rushikesh Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 4:49:48	vaishalreddy31@gmail.com	Vaishal Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:11:07	nareshreddy31@gmail.com	Naresh Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:41:36	mayurishreddy31@gmail.com	Mayur Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:49:19	akashreddy31@gmail.com	akash Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:52:40	gauravreddy31@gmail.com	Gaurav Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:59:04	nikharreddy31@gmail.com	Nikhar Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:59:18	apoorvreddy31@gmail.com	Apoorv Reddy	Topic of Seminar	Topic of Seminar
3/22/2021 5:59:28	shubhishreddy31@gmail.com	Shubhish Reddy	Topic of Seminar	Topic of Seminar




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Chaudhari Science Mahavidyalaya, Warud

Record of Online Project Assignment

Sl. No.	Timestamp	Email Address	Name of Student	Topic of Project Assignment	Submitted Question
154	3/25/2021 1:15:54	dekhshahapam2020@gmail.com	Apurva Bhattacharya	1/12/4/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
155	3/25/2021 1:21:37	Murshada887@gmail.com	GAUR SATISH SADI	6/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
156	3/25/2021 1:31:27	nandeesha95@gmail.com	Sakshi Lakshmi	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
157	3/25/2021 1:45:47	maheshwari@gmail.com	Reshika Anand Maheshwari	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
158	3/25/2021 2:00:58	Prachin707@gmail.com	Prachi Sankar Das	10/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
159	3/25/2021 2:15:51	bilgivesh10@gmail.com	Om Datta Bilgivesh	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
160	3/25/2021 2:22:31	kruti117@gmail.com	Samritha Subashini	6/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
161	3/25/2021 2:44:37	seenedashay1885@gmail.com	Leena Sreedharan	6/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
162	3/25/2021 3:18:43	narmadanaka201@gmail.com	Narmada Shashank	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
163	3/25/2021 3:39:36	varshakrishna@gmail.com	Varshika Shree Varshakrishna	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
164	3/25/2021 3:24:56	mayurkhandelwal@gmail.com	Yugesh Prakash	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
165	3/25/2021 3:32:50	ap88395@gmail.com	Shubhang Shrivastava	6/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
166	3/25/2021 3:32:44	chrisshah14@gmail.com	Chitra Katak	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
167	3/25/2021 3:37:53	namini@gmail.com	Rishabh Chandra	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
168	3/25/2021 7:01:06	vaishnavi112@gmail.com	Varishna Divyanshu	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
169	3/25/2021 7:15:51	Hare77@gmail.com	Hareesh Chandra	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
170	3/25/2021 8:13:11	nandeesha95@gmail.com	Pragya Varshakrishna	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
171	3/25/2021 8:21:23	ganeshnand2000@gmail.com	Varishna Divyanshu	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
172	3/25/2021 3:34:25	nikatkor12@gmail.com	Katika Rajamurthy	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
173	3/25/2021 3:32:57	nikatkor12@gmail.com	Katika Rajamurthy	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
174	3/25/2021 21:44:24	anjanyamhore@gmail.com	Anjany Kishore	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view
175	4/16/2021 5:26:29	naynashah199@gmail.com	Nayani Prashant	7/10/2021	https://drive.google.com/file/d/1YXpU8L2z6Cq1m3B3yL4N8mG0/view

Record of Online Lectures

<https://www.youtube.com/watch?v=rPdKBvauXX8>

YouTube channel page for Vaibhav Gulhane. The channel has 63 subscribers. The video list shows several uploads related to B.Sc. Sem-I and Sem-II Chemistry, including topics like B.Sc. I Sem-I-1, B.Sc. II Sem-I, B.Sc. III Sem-I, B.Sc. I Sem-II-1, B.Sc. II Sem-II, B.Sc. III Sem-II, B.Sc. I Sem-III, B.Sc. II Sem-III, B.Sc. III Sem-III, B.Sc. I Sem-IV, B.Sc. II Sem-IV, B.Sc. III Sem-IV, B.Sc. I Sem-V, B.Sc. II Sem-V, B.Sc. III Sem-V, B.Sc. I Sem-VI, B.Sc. II Sem-VI, B.Sc. III Sem-VI, B.Sc. I Sem-VII, B.Sc. II Sem-VII, B.Sc. III Sem-VII, B.Sc. I Sem-VIII, B.Sc. II Sem-VIII, B.Sc. III Sem-VIII, B.Sc. I Sem-IX, B.Sc. II Sem-IX, B.Sc. III Sem-IX, B.Sc. I Sem-X, B.Sc. II Sem-X, B.Sc. III Sem-X, B.Sc. I Sem-XI, B.Sc. II Sem-XI, B.Sc. III Sem-XI, B.Sc. I Sem-XII, B.Sc. II Sem-XII, B.Sc. III Sem-XII.

MEAD
Dept. of Chemistry
M.F. Arts, Com. & Sitaramji
Chaudhari Science M. Ward



Principal
Mahama Fule Arts, Com. & Sitaramji
Chaudhari Science Mahavidyalaya, Warud

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-XEz4XkTSOFDRhlpIXHrYy56mT4c2i5B0Hw/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

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>

R. R. R. R.

HEAD

Dept. of Commerce

M.F. Arts, Comm. & S.C. Science

College, Warud. Dist. Amr. 444901



[Signature]
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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 THENGWAR X
10. ASHWINI RAMKRUSHNAJI BHUSARI X

<https://docs.google.com/forms/d/1RSRdX9-m1i4V/ianPN2GAPhclFBArSRXNlnGRIKK.IMYA/edit>

1/7




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☐ 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

Prakash

HEAD

Dept. of Commerce

M.F. Arts, Comm. & S.C. College,
Warud. Dist. Amt. 444001



Principal

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Chaudhari Science Mahavidyalaya, Warud

B.Com.III Internal Assignment

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

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-Coh0vQwF3erK3uRnMEu0wFEI22ARnH-mmXnwV/edit>




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Chaudhari Science Mahavidyalaya, Warud

- ☒ Rs 42,000 X
- ☐ Rs 44,000 X
- ☐ Rs 48,000 X
- ☐ Option 5 X
- ☐ 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...

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M.F. Arts, Comm. & S.C. Science
College, Warud. Dist.Amr.44490f



<https://docs.google.com/forms/d/1c-Qnh0vQwvE3erK3-vRnMEu0wvFEI-228RnH-lmmXuwV/edit>

4/5



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B.Com. III (Marathi Medium) Internal Assignment

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_kErcIjyvOuGNgn_I0nPEaiY2N7dnz8t30iQ/edit 1/0




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Chaudhari Science Mahavidyalaya, Warud

9. The cost of material at 80% capacity is Rs 8,000 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
- ☐ Rs 14,400 and Rs 16,000
- ☐ 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...

R. R. R.

HEAD

Dept. of Commerce

M.F. Arts, Comm. & S.C. Science
College, Warud. Dist. Amt. 44490.



https://docs.google.com/forms/d/1dkiHs1f_kEeolJvQuGNGa_10nDEeiv2N7d5e9000Gz48



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48 PM

B. COM PART-I SEMESTER-I INTERNAL ASSIGNMENT EXAM - Google Forms

M

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

QuestionsResponses104Settings

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

https://docs.google.com/forms/d/1emrsoN16-XFz4XkTSQFDRhlniXhrYv56mT4c2i5R0Hw/edit

1/2



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

HEAD**Dept. of Commerce**

M.F. Arts, Comm. & S.C

Village, Warud, Dist. Amt. 444401

<https://docs.google.com/forms/d/1emrsnNf6-XFz4XkTS0FDRhlniXhYv56mT4c2l5R0Hw/edit>
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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.



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

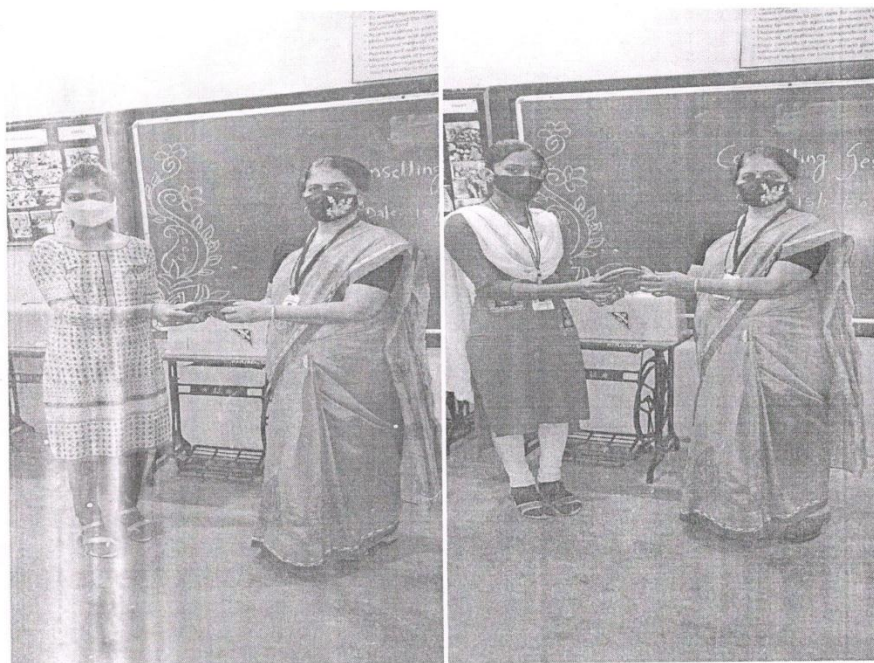
Special Programmes for Advanced Learners and Slow Learners

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.



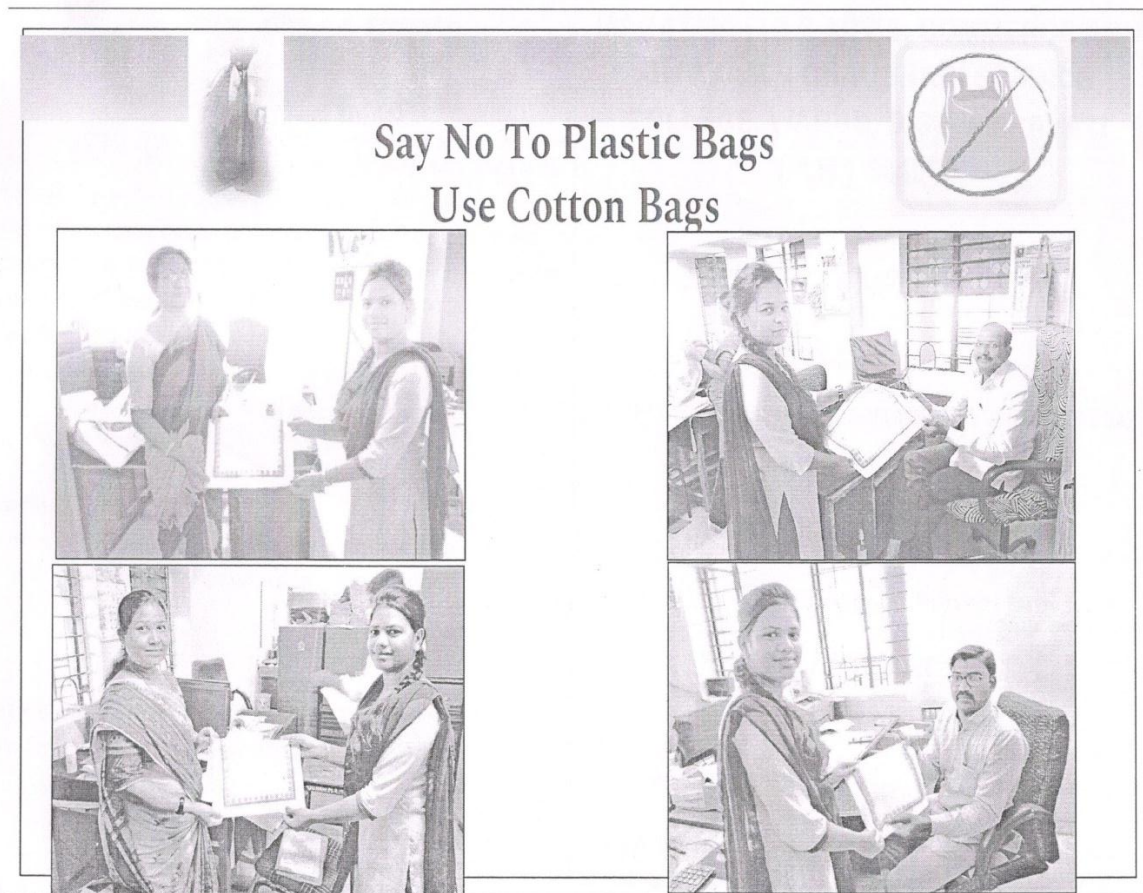
P. K. K.
Head of the Department
(Home-Economics)
Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud

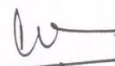


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Chaudhari Science Mahavidyalaya, Warud

Department Of Chemistry

Say No To Plastic Bag S Use Cotton Bags Activity:




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




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Chaudhari Science Mahavidyalaya, Warud

Department Of Political Science

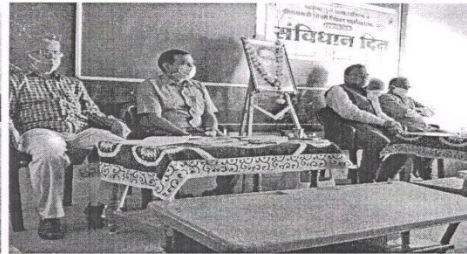
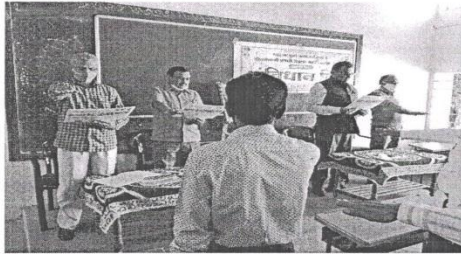
Constitutional Day Activity

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 26th 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



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

Students' participation in Seminar competition

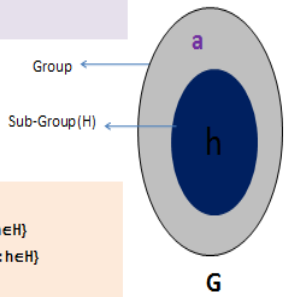


 Shri Shivaji Education Society Amravati's, Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist. Amravati (M.S.) University Level UG Students Seminar competition Topic : Ring Presented by Mr. Nakul P. Nimje Department of Mathematics Guided by : Mr. V. S. Bawane (Head of Dept.) Dr. R. S. Wadhude (Professor)	CONTENT • Ring • Some special types of rings • Elementary properties of ring • Examples of rings • Sub ring • Examples of sub rings • References
SOME SPECIAL TYPES RINGS 1. Commutative ring : A ring R is called a commutative ring if $a \cdot b = b \cdot a \quad \forall a, b \in R$ 2. Ring with unity : In a ring R there exists an element denoted by '1' such that $1 \cdot a = a \cdot 1 = a \quad \forall a \in R$, then R is called a ring with unit element. Thus if a ring possesses multiplicative identity then it is a ring with unity.	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




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) & Vidnyan 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) ← G 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 !




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

Student's participation in Chemi -Quiz Competition

Chemi –Quiz

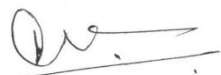
2020-21

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 30th April 2021 and total 135 of B.Sc.I year students were participated in the same

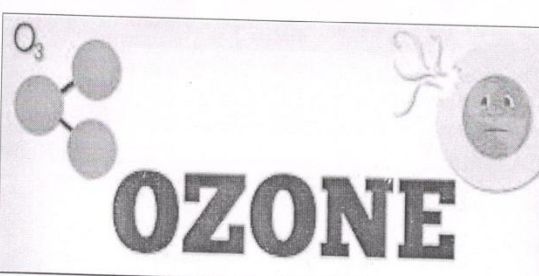

HEAD
Dept. of Chemistry
M F. Arts, Com. & Sitaramji
Chaudhari Science M. Warud


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




Principal
Maharma 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 16th 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
20th 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 16TH 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. & Sci.




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

मातृभूमि

FACEBOOK: AMRAVATIDAINIKMATRUBHUMI

महाराष्ट्र दिनी कोरोना लॉकडाऊनमध्ये ई-पोस्टर स्पर्धा

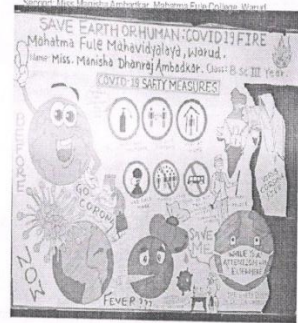
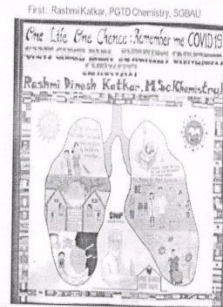
महाराष्ट्र फुले कला, माणित्य व सितारामजी चौधरी विज्ञान महाविद्यालयाचा उपक्रम

यासाठी अनेक वीर्यवान, कलात्मक, वैभवपूर्ण, विचारपूर्ण आणि मूल्यवान पोस्टर तयार करून स्पर्धेत सहभाग घेतले. यातून निवडले गेलेले पोस्टर खालीलप्रमाणे आहेत.

पहिली क्रमांकाची पोस्टर: यात कोरोना व्हायरसचे प्रसारण दाखवण्यासाठी एक मानव शरीर दाखवले आहे. शरीरातून कोरोना व्हायरसचे प्रसारण होत आहे. या पोस्टरचे लेखक: राशमि कर्कर, PGTD Chemistry, SOBHU.

दुसरी क्रमांकाची पोस्टर: यात कोरोना व्हायरसचे प्रसारण दाखवण्यासाठी एक मानव शरीर दाखवले आहे. शरीरातून कोरोना व्हायरसचे प्रसारण होत आहे. या पोस्टरचे लेखक: राशमि कर्कर, PGTD Chemistry, SOBHU.

तिसरी क्रमांकाची पोस्टर: यात कोरोना व्हायरसचे प्रसारण दाखवण्यासाठी एक मानव शरीर दाखवले आहे. शरीरातून कोरोना व्हायरसचे प्रसारण होत आहे. या पोस्टरचे लेखक: राशमि कर्कर, PGTD Chemistry, SOBHU.



HEAD

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



Principal
Mahatma Fule Arts, Com. & Sitaraji
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 35TH
INTERNATIONAL OZONE DAY, 16th 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 35th 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 10th August, 2020.

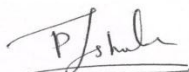
Eco-Friendly Rakhi Competition is the extension activity of our department. This year due to Covid-19 our department organized online Eco-Friendly Rakhi Competition & the Inauguration was organized on the "Zoom Meeting". The Inaugurator of this event was principal of our college Hon'ble Dr. J.D. Wadate 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.

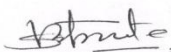
Following student participants got winning prizes in the competition:-

1. Ku. Vaishanvi Wankhede B.Sc. IIIrd Year:- 1st Prize
2. Ku. Vaishnavi Chourase B.Sc. IInd Year :- 2nd Prize
3. Ku. Puja Dhande B.Sc IInd Year :- 3rd Prize
4. Ku. Gauri Satfale B.Sc. IIIrd Year :- Consolation Prize

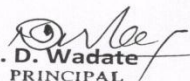
All the Participants got the E-Certificate after submission of online Feedback form.
Date: - 10/08/2020



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
(5th Year Extension Activity)

Result of Competition

1st Prize

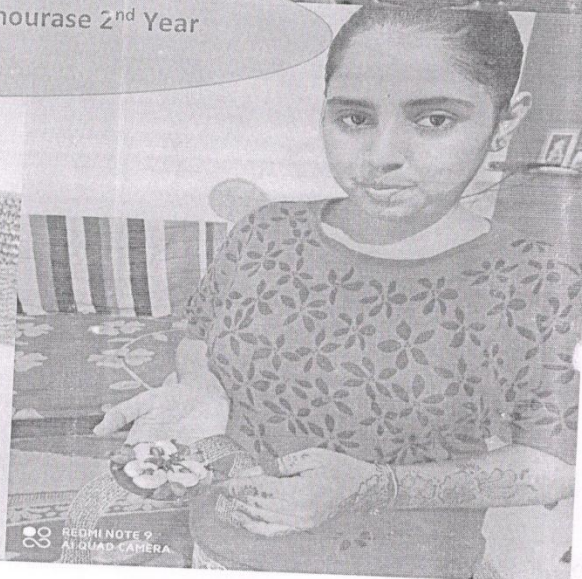
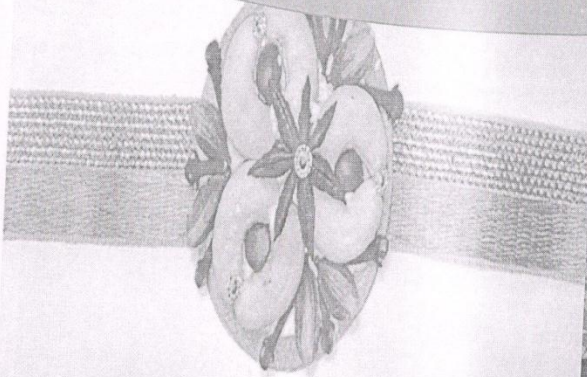
Ku. Vaishnavi Wankhade B.Sc.IIIrd Year

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



2020/08/07 18:05

2nd Prize Ku.Vaishnavi Chourase 2nd Year



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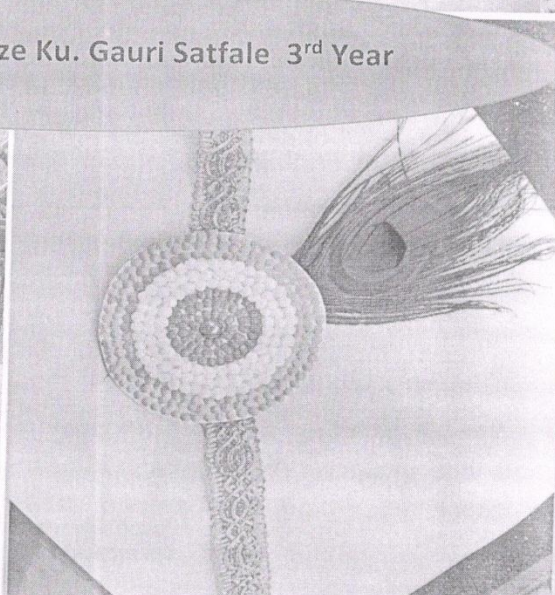



Principal
Maharaja Fule Arts, Comm. & Sitaramji
Chaudhari Science Mahavidyalaya, Warud

3rd Prize Ku. Puja Dhande 2nd Year



Consolation Prize Ku. Gauri Satfale 3rd 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 1st 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 2nd 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.

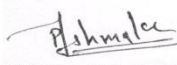
In this Competition total 33 students were participated. Student prepared organic colour using plant material & organic materials.

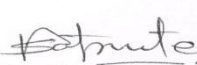
Following student participants got winning prizes in the competition:-

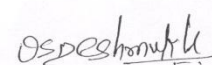
1. **Ku. Vaishanvi Dahake** : **B.Sc. IIIrd Year :- 1st Prize**
2. **Ku. Piyusha Agarkar** : **B.Sc. Ist Year :- 2nd Prize**
3. **Ku. Sakshi Pachpohar** : **B.Sc.Ist Year :- 3rd Prize**

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
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

1st Prize Winner

Vaishnavi shankarrao Dahake
BSc III Year



2nd Prize Winner

Piyusha Agarkar
B.Sc. I Year




Principal
Maharaja Fule Arts, Com. & S. C. Sci.
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 1st to 7th October, 2021

With a view to popularize wildlife and its applications among college students, department of Zoology wildlife week 2021 during 1st to 7th 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 1st to 7th October, 2021 in online mode.

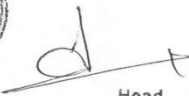
In this competition, students from different colleges and from P.G. Departments had actively participated. Number of students presented their views on "Need of Wildlife Conservation in India" through essay competition. Total 95 students were participated in this competition.

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 Sureshrao 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
Chaudhary 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

Tejal Vijayrao Fuse

Of

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

For securing second 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
Chaudhary 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
Chaudhary Science Mahavidyalaya, Warud

Department of physics

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

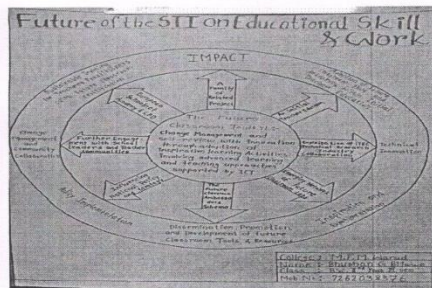
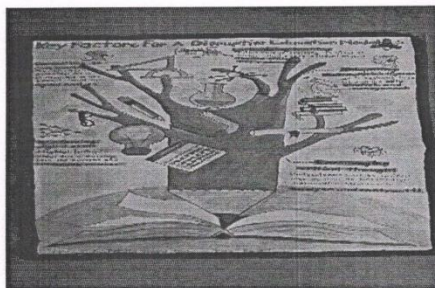
Shri. Shivaji Education Society, Amravati's
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science College, Warud,
Dist. Amravati

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 27th 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 11th 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.

Madhuri Umekar

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



Dr. J. D. Wadate
Principal
Mahatma 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

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July 11 | 3.00

PM

Link:

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

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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.

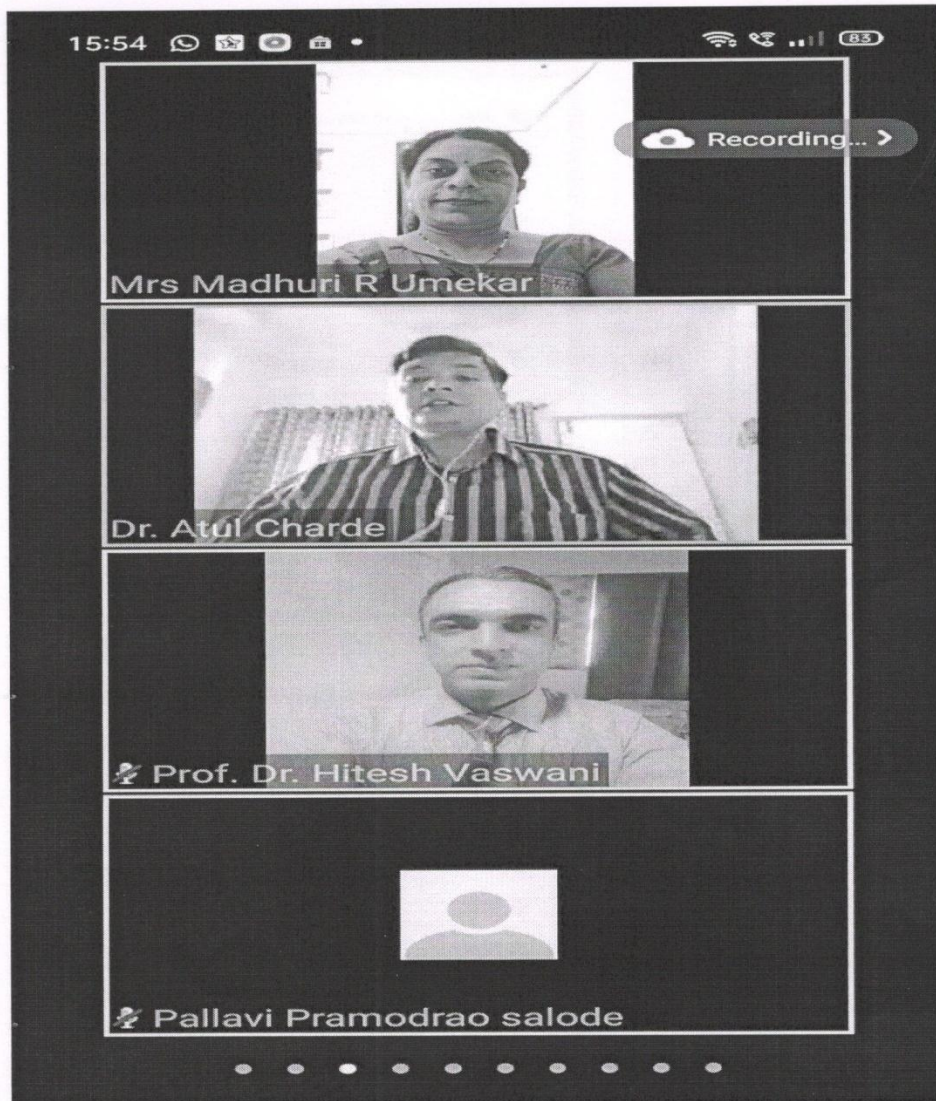
Principal

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. Kulkarni

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



[Signature]
Principal
Maharaja Fule Arts, Comm.& Sitaramji
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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

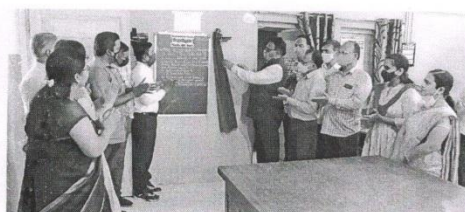
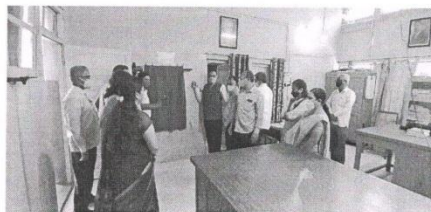
Department of Physics

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 27th 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 1st 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.”



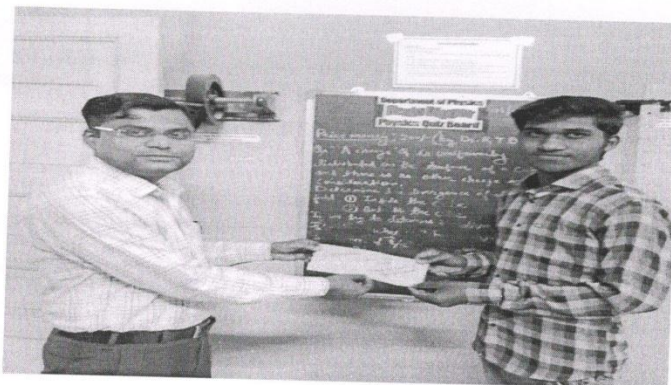

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The time period given to solve this quiz was one month which was extended for another month. Many students participated to this quiz board activity. Following are names of students who participated to the quiz 1.

- 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. Tamgadge.



Quiz 2: The 2nd 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.

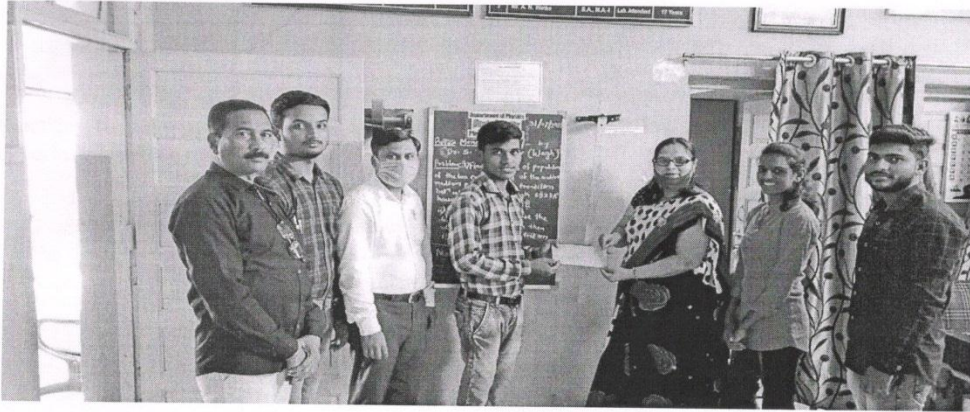
- 1) Arvind Kailas Ram BSc II Sem IV
- 2) Tina Moreshwar Gulhane BSc I sem II
- 3) Sharwari Gawande BSc II Sem IV
- 4) Gaurav Satav BSc III Sem VI
- 5) Shraddha Anilrao Ande BSc I Sem II
- 6) Nakul Nimje BSc III Sem VI




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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 3rd 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°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.


Miss. A. B. Patil
(Co-ordinator)


Dr. Y. S. Tamgadge
(Head)
Deptt. of Physics
Mahatma Fule Arts, Com & Siteramji
Chaudhari Science Mahavidyalaya,
Warud, Dist. Amravati




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

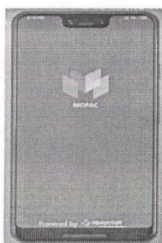
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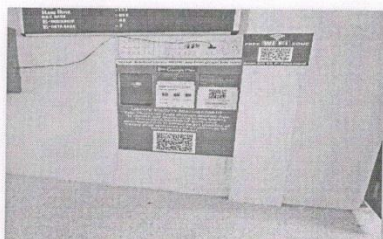
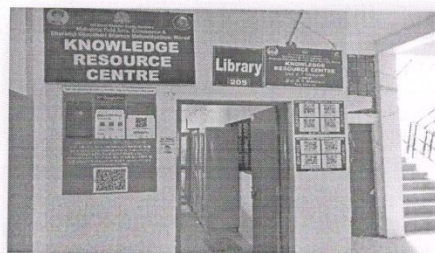
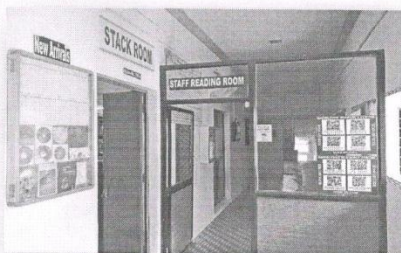



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**Mahatma Fule Arts & Commerce and
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ESTD : 1960

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

2.2.1 *Advanced learners*

University Merits during the year 2020-21

M.A. Economics

Sr. No.	Roll No.	Name of the Students	CGPA	Rank
01	70151	Mr. Maroti Nandkishor Gajabe	8.85	8
02	70154	Kr. Pallavi Prabhakar Waghale	8.80	10

B.Sc. (PCM group)

Sr. No.	Roll No.	Name of the Students	Marks Obtained	Rank
01	70408	Mr. Gaurav Ramkrushnarao Satav	2565/2700	3
02	70494	Mr. Nakul Prakash Namje	2523/2700	8




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University Merits during the year 2020-21



Mr. Gaurav Ramkrushnarao Satav
Rank 3 in B. Sc. (PCM)



Mr. Nakul Prakash Namje
Rank 8 in B. Sc. (PCM)



Mr. Maroti Nandkishor Gajabe
Rank 8 in M. A. Economics



Ku. Pallavi Prabhakar Waghale
Rank 10 in M. A. Economics



SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



Official Publication of Amravati University

PART-THREE

Thursday 27th January, 2022

Maharaja Fule A. C. & Sitaramji
Choudhari Science College,
Warud, Dist. Amravati
Inward No. 215/2022
Date 27/01/2022

Notification No :

27/1/2022

Subject : Merit List of Summer- 2021 Examination in Science

In continuation to the Notification No. LS023/2021, Dated 27/09/2021 regarding publication of result of examination, the Merit List of successful candidates at the **Bachelor of Science Summer-2021** examinations in the faculty of Science & Technology is hereby published as per provision of Para (33) of Ordinance No.6 as under.

Sr. No.	Roll No.	Name of candidates	Merit No.	Marks Obtained out of 2700	Name of college
1	74602	Ashvini Gajanan Hage	1	2691	Shri Shivaji Arts, Commerce & Science College, Akot
2	71908	Komal Sunil Pusadkar	2	2592	Shri Shivaji Science College, Amravati
3	70408	Gaurav Ramkrushnarao Satav	3	2565	Mahatma Fule Art, Commerce & Sitaramji Choudhari Science College, Warud, Tq. Warud, Distt. Amrvati
4	71932	Ku Sonal Eknath Mandaokar	4	2563	Shri Shivaji Science College, Amravati
5	72099	Sakshi Shrikant Tajnekar	5	2550	Shri Shivaji Science College, Amravati
6	74652	Ku Gayatri Baliram Berad	6	2534	Shri Shivaji Arts, Commerce & Science College, Akot
7	82672	Vaishnavi Kishorrao Kide	6	2534	Freedom Fighter Shri Kanhyalalji Ramchandra Innani College, Karanja Lad, Dist. Washim
8	71852	Chavan Mohan Shende	7	2527	Shri Shivaji Science College, Amravati
9	70494	Nakul Prakashrao Nimje	8	2523	Mahatma Fule Art, Commerce & Sitaramji Choudhari Science College, Warud, Tq. Warud, Distt. Amrvati
10	72219	Vaishnavi Vinod Khodke	9	2521	Shri Shivaji Science College, Amravati
11	74638	Jaza Parveen Naeem Khan	10	2517	Shri Shivaji Arts, Commerce & Science College, Akot

Dr. Chaudhori (Faculty Head)
Dr. Sanjay Satpute (In-charge)

By the order of Board of Examination,

09/02/22

Sd/-
Director,
Board of Examinations & Evaluations
Sant Gadge Baba Amravati
University



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SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



Official Publication of Amravati University

PART-THREE

दिनांक 21 जानेवारी 2022
(असाधारण)

Mahatma Fule A. C. & Sitaramji
Choudhari Science College,
Ward, Dist. Amravati
Inword No. 121122
Date : 21/01/22 Clerk

269 /2022

अधिसूचना क्रमांक:-

विषय :- उन्हाळी -2021 परीक्षेची गुणवत्ता यादी.
बाडमय पारंगत (समाजशास्त्र, अर्थशास्त्र, व संगीत)

अध्यादेश क्रमांक 6(33) गधील तरतुदींना अनुसरून व अधिसूचना क्रमांक 1054/2021, दि 24/09/2021, 1041/2021 दि. 23/09/2021, 972/2021 दि. 20/09/2021 नुसार बाडमय पारंगत (समाजशास्त्र, अर्थशास्त्र, व संगीत) उन्हाळी - 2021 परीक्षेची गुणवत्ता यादी पुढीलप्रमाणे जाहीर करण्यात येत आहेत.

बाडमय पारंगत (समाजशास्त्र)

अ. क्र.	परीक्षा क्रमांक	विद्यार्थ्याचे नाव व पत्ता	गुणवत्ता क्रमांक	प्राप्त गुण	महाविद्यालयाचे नाव
1	70318	मंकज दादाराव ठवकर	1	8.58	मुंगसाजी महाराज महाविद्यालय, दारका
2	70095	कु. अलका मनोहर कोकाटे	1	8.58	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
3	70104	दिपक दादाराव वानखडे	2	8.55	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
4	70122	कु. सोनल ज्ञानदेव राऊत	3	8.40	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
5	70106	कु. दुर्गा गुलाब पाखरे	4	8.29	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
6	70124	कु. वैशाली विजय पांडे	4	8.29	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
7	70313	कु. मिनाकुमारी गंगाराम काळे	5	8.26	मुंगसाजी महाराज महाविद्यालय, दारका
8	70227	अक्षय सुनील खंडारे	6	8.15	गुलाब नबी आझाद कला, वाणिज्य महाविद्यालय, बाशी टाकळी
9	70131	कु. पल्लवी साहेबराव भांगे	7	8.14	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
10	70009	कु. प्रणाली अशोकराव भाकरे	7	8.14	गो.सी. टोम्प महाविद्यालय, चांदूर बाजार
11	70093	कु. ऐश्वर्या गजानन मोरे	8	8.05	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
12	70221	कु. स्वाती प्रकाश रहाटे	8	8.05	श्रीमती राधादेवी गोयनका महिला महाविद्यालय, अकोला
13	70035	अनिकेत देवेद्र खाकसे	9	7.98	सामाजिक कार्य महाविद्यालय, विद्यापीठ रोड, अमरावती
14	70094	अक्षय शंकरराव बोबडे	10	7.94	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला

संत गाडगे बाबा अमरावती विद्यापीठ राजपत्र - २०२२ - भाग तीन - ६०८



Principal
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वाङ्मय पारंगत (अर्थशास्त्र)

1	70336	शुभम प्रकाश इंगळे	1	9.20	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
2	70349	युक्तीवंत प्रकाश मनवर	2	9.15	सिताबाई कला, वाणिज्य व विज्ञान महाविद्यालय, अकोला
3	70020	हरिश अशोक काकड	3	9.04	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
4	70196	कु. रिना अशोकराव येलेकर	4	9.03	आदर्श विज्ञान जे.बी.कला व बिल्डा वाणिज्य, महाविद्यालय, धांगणगाव रेल्वे
5	70059	तुषार सुरेशराव माहोरे	5	8.98	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
6	70027	महेश चंद्रशेखर राऊत	6	8.91	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
7	70667	शुभम गणेश वाकडे	7	8.86	श्री अमोलकचंद महाविद्यालय, यवतगाळ
8	70485	कु. पल्लवी अरुण भटकर	8	8.85	जी.एस. कला, वाणिज्य व विज्ञान महाविद्यालय, खामगाव
9	70151	मारोती नंदकिशोर गजबे	8	8.85	महात्मा फुले, कला वाणिज्य व सितारामजी चौधरी विज्ञान महाविद्यालय, वरुड.
10	70527	कु. वैशाली रामेश्वर वेरुळकर	8	8.85	जी.एस. कला, वाणिज्य व विज्ञान महाविद्यालय, खामगाव
11	70496	कु. लक्ष्मी विष्णु तिजारे	8	8.85	जी.एस. कला, वाणिज्य व विज्ञान महाविद्यालय, खामगाव
12	70019	गुलशन शंकर चव्हाण	8	8.85	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
13	70178	कु. किरण रमेशराव ठाकरे	8	8.85	आदर्श विज्ञान जे.बी.कला व बिल्डा वाणिज्य, महाविद्यालय, धांगणगाव रेल्वे
14	70727	कु. शिवानी झिंगराजी उमरे	9	8.83	शकुंतलाबाई धाबेकर, महाविद्यालय, कारंजा लाड
15	70173	कु. छाया अनंतराव उईके	9	8.83	आदर्श विज्ञान जे.बी.कला व बिल्डा वाणिज्य, महाविद्यालय, धांगणगाव रेल्वे
16	70154	कु. पल्लवी प्रभाकर वघाळे	10	8.80	महात्मा फुले, कला वाणिज्य व सितारामजी चौधरी विज्ञान महाविद्यालय, वरुड.
17	70487	कु. प्रज्ञा रामकृष्ण इंगळे	10	8.80	जी.एस. कला, वाणिज्य व विज्ञान महाविद्यालय, खामगाव
18	70475	कु. हर्षा बापुराव खंडागळे	10	8.80	जी.एस. कला, वाणिज्य व विज्ञान महाविद्यालय, खामगाव
19	70182	कु. प्रियंका भरतराव माहोरे	10	8.80	आदर्श विज्ञान जे.बी.कला व बिल्डा वाणिज्य महाविद्यालय



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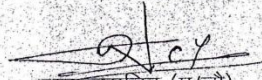
वाङ्मय पारंगत (संगीत)

अ. क्र.	परीक्षा क्रमांक	विद्यार्थ्याचे नाव व पत्ता	गुणवत्ता क्रमांक	प्राप्त गुण	महाविद्यालयाचे नाव
1	70015	कु. वैष्णवी रविंद्र निभोरकर	1	9.75	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
2	70001	अभिनंदन प्रविण अजमिरे	2	9.48	शासकीय विदर्भ ज्ञान विज्ञान संस्था, अमरावती.
3	70075	कु. नेहा शामराव खोत	3	9.45	श्रीमती राधादेवी गोयनका महिला महाविद्यालय, अकोला.

परीक्षा व गुल्यमापन मंडळाचे आदेशान्वये
स्वा/-
संचालक
परीक्षा व गुल्यमापन मंडळ
संत गाडगे बाबा अमरावती विद्यापीठ

प्रतिलिपी:-

- १) वरील सर्व गुणवत्ता प्राप्त विद्यार्थी.
- २) प्राचार्य संबंधित महाविद्यालये.
- ३) सन्माननीय व्यवस्थापन परीषद सदस्य, संत गाडगे बाबा अमरावती विद्यापीठ.
- ४) सन्माननीय संचालक, परीक्षा व गुल्यमापन मंडळ, संत गाडगे बाबा अमरावती विद्यापीठ.
- ५) संचालक, नवोपक्रम, नवसंशोधन व साहचर्य मंडळ, संत गाडगे बाबा अमरावती विद्यापीठ.
- ६) वित्त व लेखा अधिकारी, संत गाडगे बाबा अमरावती विद्यापीठ.
- ७) उपकुलसचिव (प्रशा.), संत गाडगे बाबा अमरावती विद्यापीठ.
- ८) उपकुलसचिव (विद्या.), संत गाडगे बाबा अमरावती विद्यापीठ.
- ९) उपकुलसचिव (विकास), संत गाडगे बाबा अमरावती विद्यापीठ.
- १०) सहा. कुलसचिव (सारणी), संत गाडगे बाबा अमरावती विद्यापीठ.
- ११) सहा. कुलसचिव (नामांकन), संत गाडगे बाबा अमरावती विद्यापीठ.
- १२) उपकुलसचिव (परीक्षा/चौकशी), संत गाडगे बाबा अमरावती विद्यापीठ.
- १३) जनसंपर्क अधिकारी, संत गाडगे बाबा अमरावती विद्यापीठ.
- १४) संचालक, विद्यापीठ रोजगार माहिती व मार्गदर्शन केंद्र, संत गाडगे बाबा अमरावती विद्यापीठ.
- १५) सर्व संपादक वर्तमान पत्र/जिल्हा प्रतिनिधी, अमरावती.


उपकुलसचिव (प/चौ)
संत गाडगे बाबा अमरावती विद्यापीठ




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