MUNGASAJI MAHARAJ MAHAVIDYALAYA, DARWHA

2022-2023

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Sant Gadge Baba Amravati University, Amravati
Name Of the College:- Mungasaji Maharaj Mahavidyalaya, Darwha.
Name Of Examination :-Chemistry Practical (Lab 08) Summer 2023
Class :-M.Sc II Sem IV

(Max. Marks – 100) Project **Time : 8 AM**
07/05/2023

Sr. No.	Roll No.	Students Name	Project Name	Signature
1		Saurabh G. Kalkar	Study and phytochemical analysis of surmichand	
2		Ganesh Dewalkar	Synthesis of some new chromanone and flavanones	
3		Komal Dube	A simple for synthesis of Phenyl Hydrazone by using stirring method	
4		Meghna R. Chavhan	Physico-chemical characteristics of Jamwadi dam, Yavtmal	
5		Abheejit Bobade	Study of fragrance using solvent extraction method	
6		Vishal Thakare	Synthesis and biological activity of schiff base of copper complex	
7		Shivani Ingole	Study of physiochemical parameter of water sample, different places of Yavatmal district and their comparative studies	
8		Karan S. Umare	Production of Vit. B12 by fermentation	
9		Raksha N. Gadekar	Synthesis of Biodegradable Polymer materials and their Applications	
10		Shubham A. Dhanuskar	Synthesis & characterization of 4-Nitrosalycylic Acid by Green method	
11		Komal R. Chandore	Synthesis and Biosidal effect of substituted 1,3, propandione	
12		Rakhi R. More	physico-chemical characteristic of Purna Dam, Amravati	
13		Neha S. Lokhande	Synthesis of Acid dye, using Naphthol and aniline derivatives.	
14		Humera Afreen	Synthesis of chalcone using Derivatives	
15		Shital Waghmare	Phytochemical analysis and medicinal applications of turmeric	
16		Riddhi G. Zod	Phytochemical analysis & medicinal uses of Ocimum sanctum	
17		Aachal barshe	Phytochemical analysis and medicinal applications of A. Indica (neem)	
18		Priyanka Jadhao	Measurment of velocity, Density and viscosity of binary liq. mix of Acetophenone	
19		Prajwal N. Mehare	Complexometric study of copper with sulphate 8-hydroxyquinoline [illegible]	
20		Saurabh S. Rathod	A Hierarchical Layered silicate nanocomposite with superior absorption capacity for enriching Eu(III)	

Signature of External Examiner

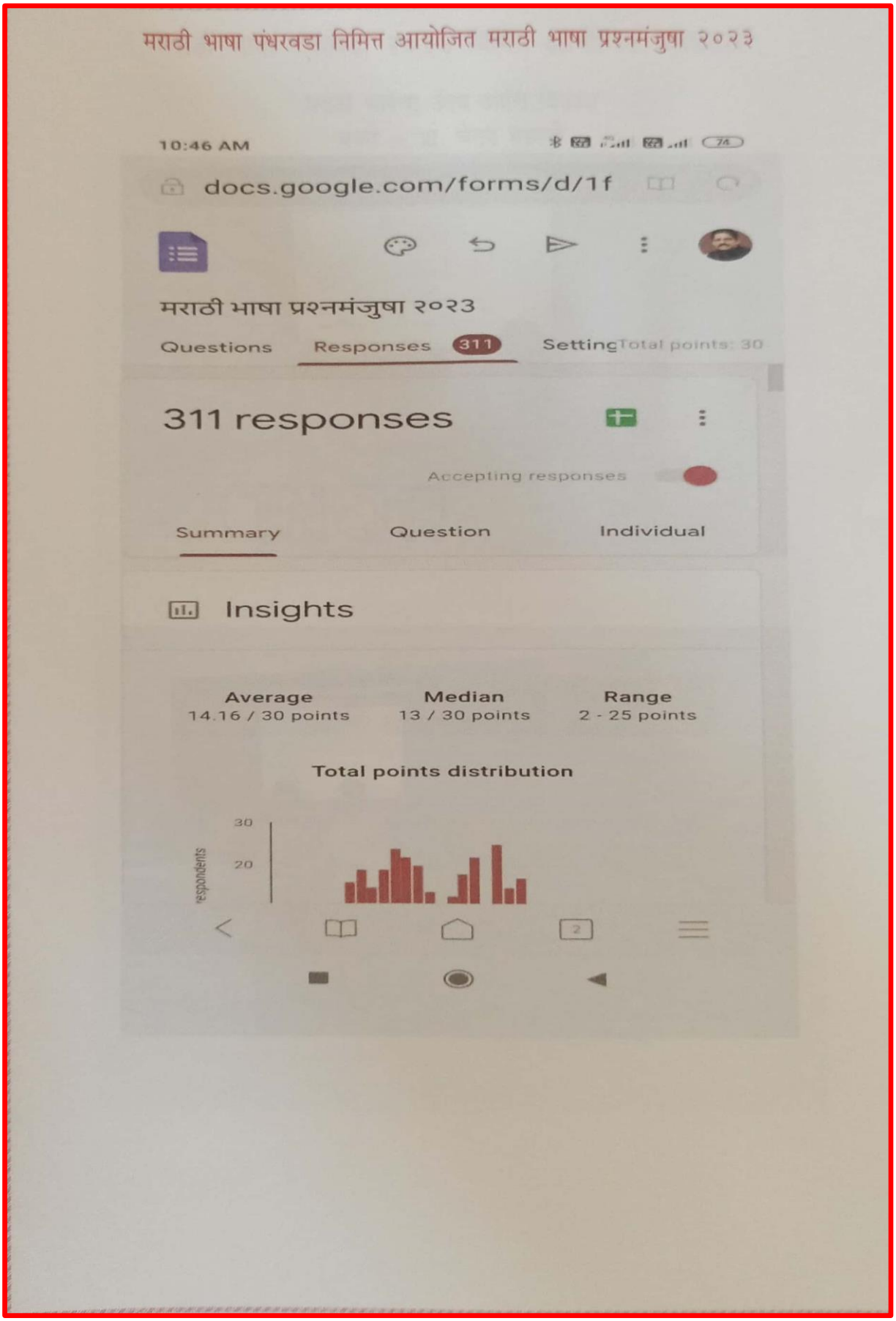
Prof. Dr. N. D. Gawhale
G. S. Tompe College, Chandurbazar

Signature of Internal Examiner
07/05/23

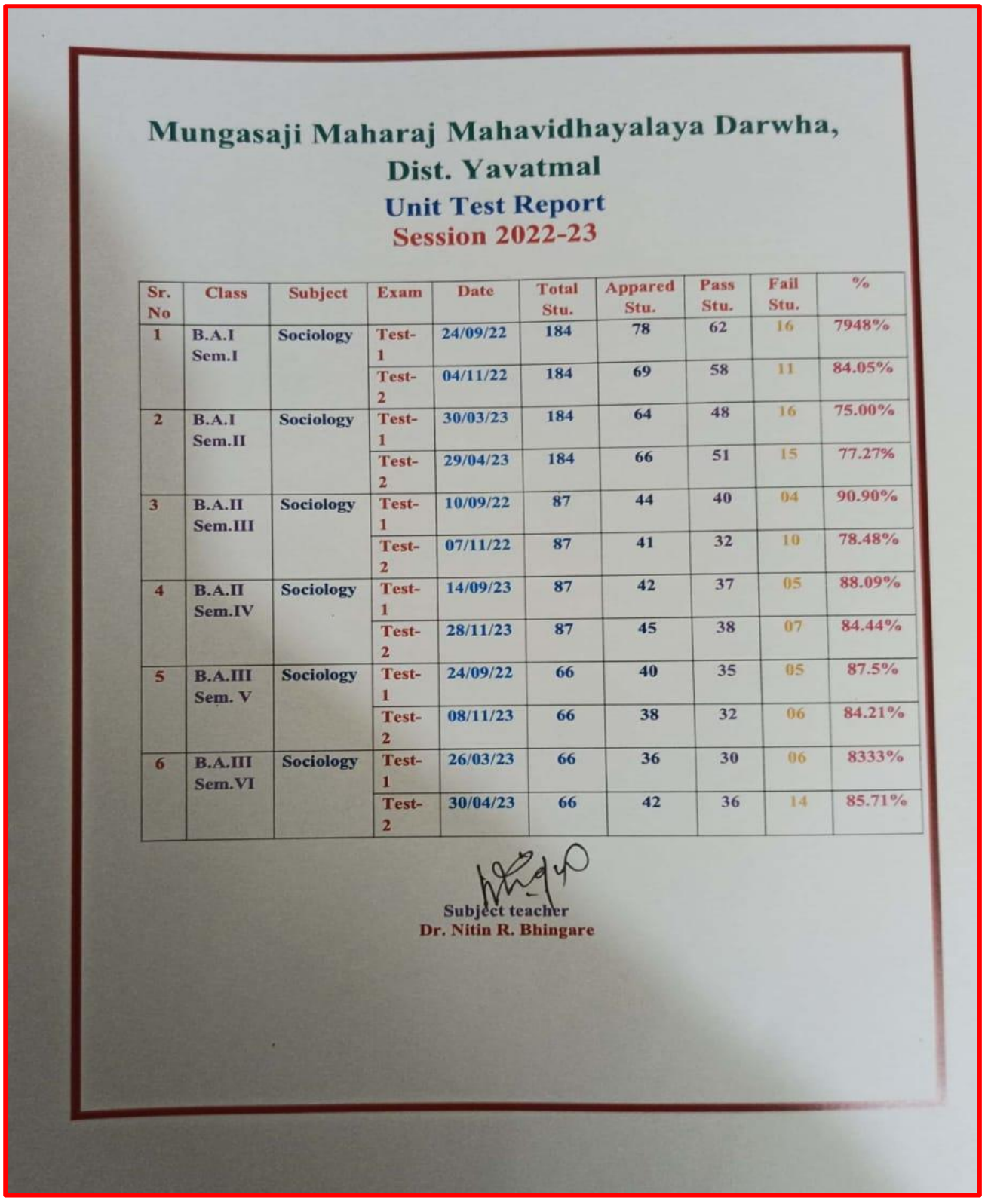
Dr. N. A. Rashidi
M. M. College, Darwha

Principal
Mungasaji Maharaj Mahavidyalay
Darwha Dist Yavatmal

Project Reports – M. Sc. II Sem IV Chemistry



Quiz Report – Marathi Department



Mungasaji Maharaj Mahavidhayalaya Darwha, Dist. Yavatmal

Unit Test Report

Session 2022-23

Sr. No	Class	Subject	Exam	Date	Total Stu.	Appared Stu.	Pass Stu.	Fail Stu.	%
1	B.A.I Sem.I	Sociology	Test-1	24/09/22	184	78	62	16	7948%
			Test-2	04/11/22	184	69	58	11	84.05%
2	B.A.I Sem.II	Sociology	Test-1	30/03/23	184	64	48	16	75.00%
			Test-2	29/04/23	184	66	51	15	77.27%
3	B.A.II Sem.III	Sociology	Test-1	10/09/22	87	44	40	04	90.90%
			Test-2	07/11/22	87	41	32	10	78.48%
4	B.A.II Sem.IV	Sociology	Test-1	14/09/23	87	42	37	05	88.09%
			Test-2	28/11/23	87	45	38	07	84.44%
5	B.A.III Sem. V	Sociology	Test-1	24/09/22	66	40	35	05	87.5%
			Test-2	08/11/23	66	38	32	06	84.21%
6	B.A.III Sem.VI	Sociology	Test-1	26/03/23	66	36	30	06	8333%
			Test-2	30/04/23	66	42	36	14	85.71%

Subject teacher
Dr. Nitin R. Bhingare

Unit Test Report – Sociology Department

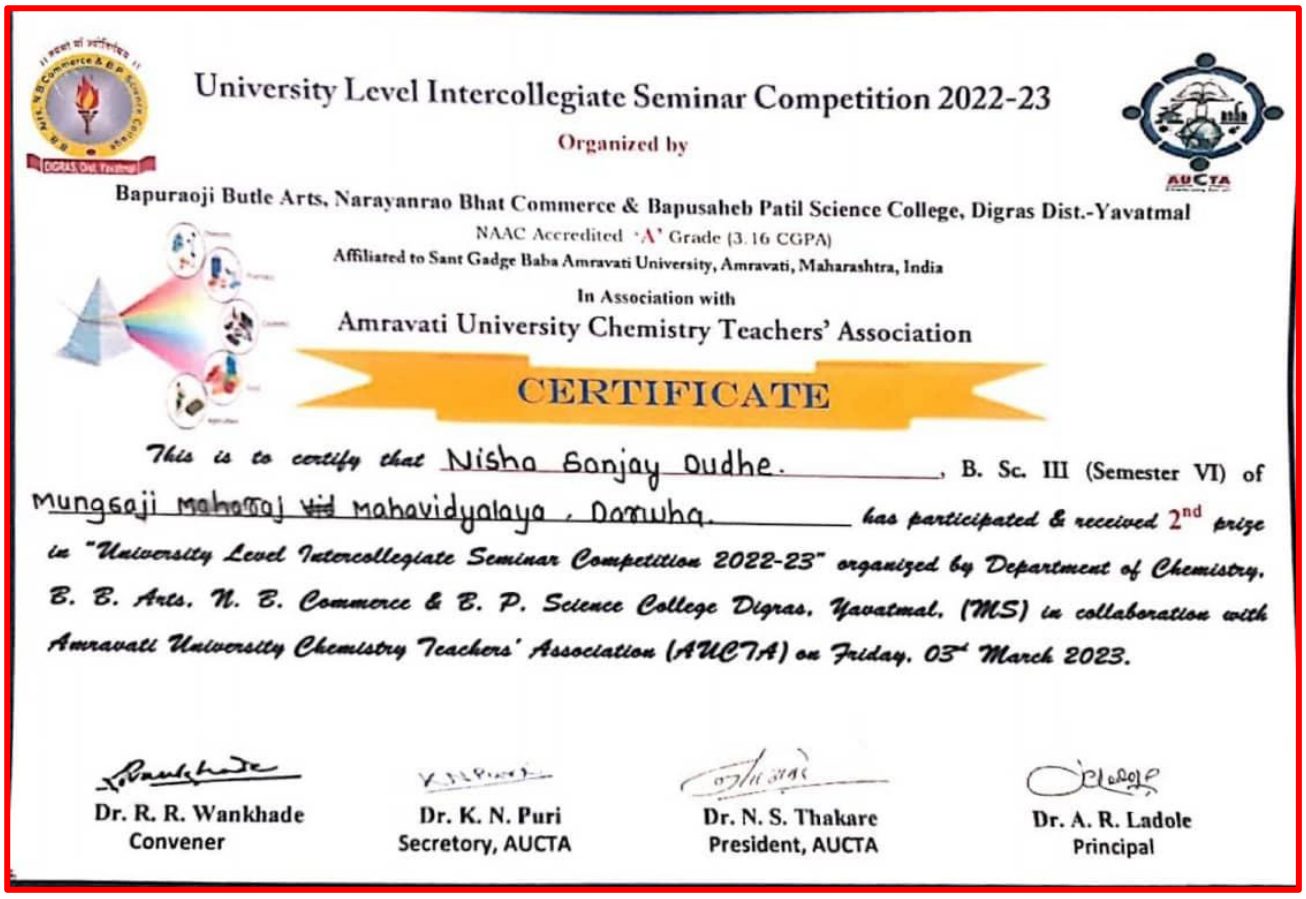
Mungasaji Maharaj Mahavidyalaya, Darwha
Slow/advanced Learner Test Report 2022-23
Subject Compulsory English

Sr.no	Class	Date	Appeared Students	Slow learner	Advanced Learner
1	B.A.I Sem I	30/08/2022	74	24	03
5	B.Sc.ISem I	29/09/2022	102	32	04

Class Teacher

Principal
Mungsaji Maharaj Mahavidyalay
Darwha Dist.Yavatmal

Slow/Advance Learner Test Report – English Department



University Level Intercollegiate Seminar Competition 2022-23

Organized by

Bapuraoji Butle Arts, Narayanrao Bhat Commerce & Bapusaheb Patil Science College, Digras Dist.-Yavatmal

NAAC Accredited 'A' Grade (3.16 CGPA)

Affiliated to Sant Gadge Baba Amravati University, Amravati, Maharashtra, India

In Association with

Amravati University Chemistry Teachers' Association

CERTIFICATE

This is to certify that Nisha Sanjay Oudhe., B. Sc. III (Semester VI) of Mungsaji Maharaj Vid Mahavidyalaya, Pusad. has participated & received 2nd prize in "University Level Intercollegiate Seminar Competition 2022-23" organized by Department of Chemistry, B. B. Arts, N. B. Commerce & B. P. Science College Digras, Yavatmal, (MS) in collaboration with Amravati University Chemistry Teachers' Association (AUCTA) on Friday, 03rd March 2023.

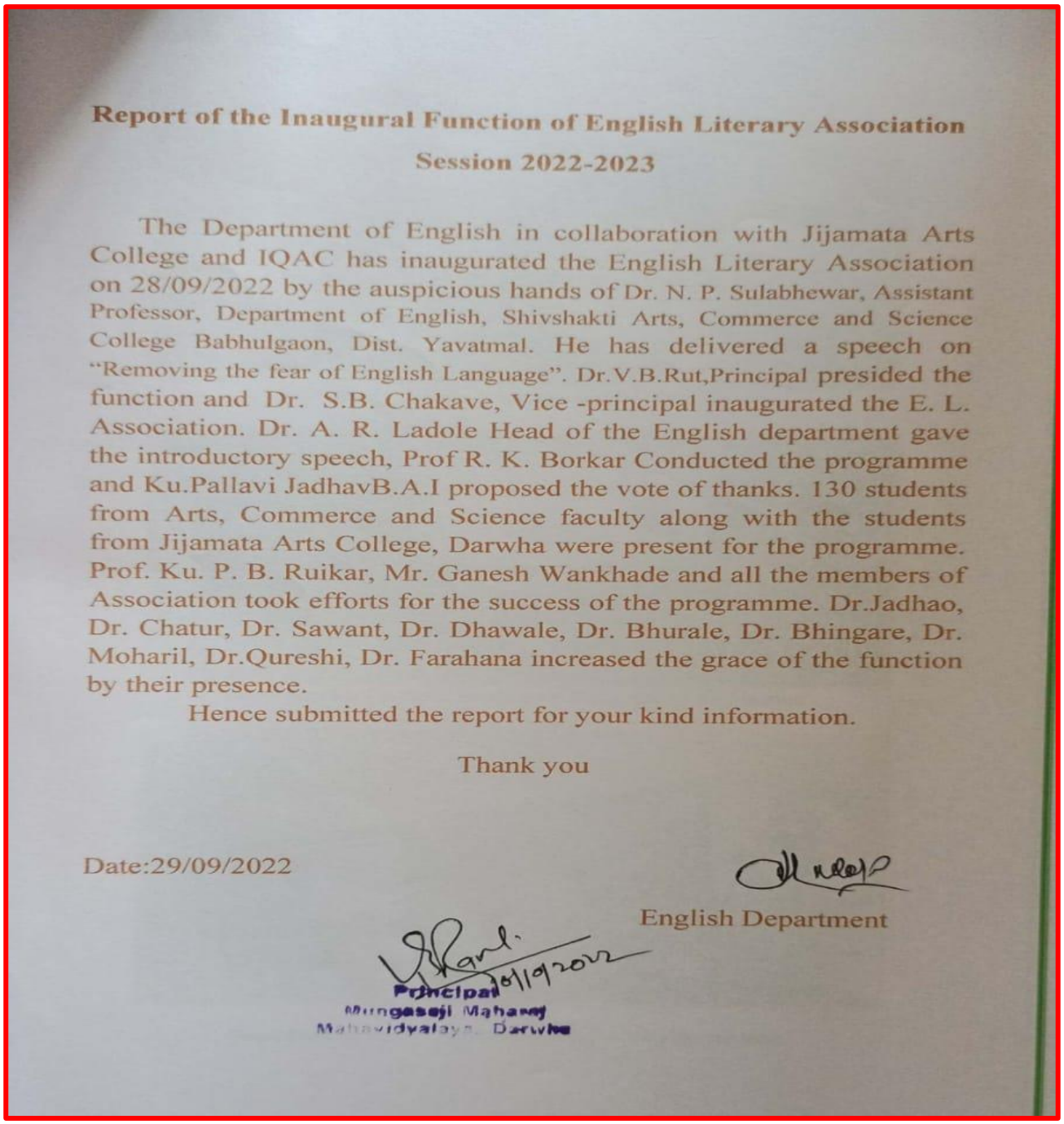
Dr. R. R. Wankhade
Convener

Dr. K. N. Puri
Secretory, AUCTA

Dr. N. S. Thakare
President, AUCTA

Dr. A. R. Ladole
Principal

Participation certificate in 'Seminar compaction'



Report of the Inaugural Function of English Literary Association

Session 2022-2023

The Department of English in collaboration with Jijamata Arts College and IQAC has inaugurated the English Literary Association on 28/09/2022 by the auspicious hands of Dr. N. P. Sulabhewar, Assistant Professor, Department of English, Shivshakti Arts, Commerce and Science College Babhulgaon, Dist. Yavatmal. He has delivered a speech on "Removing the fear of English Language". Dr.V.B.Rut,Principal presided the function and Dr. S.B. Chakave, Vice -principal inaugurated the E. L. Association. Dr. A. R. Ladole Head of the English department gave the introductory speech, Prof R. K. Borkar Conducted the programme and Ku.Pallavi JadhavB.A.I proposed the vote of thanks. 130 students from Arts, Commerce and Science faculty along with the students from Jijamata Arts College, Darwha were present for the programme. Prof. Ku. P. B. Ruikar, Mr. Ganesh Wankhade and all the members of Association took efforts for the success of the programme. Dr.Jadhao, Dr. Chatur, Dr. Sawant, Dr. Dhawale, Dr. Bhurale, Dr. Bhingare, Dr. Moharil, Dr.Qureshi, Dr. Farahana increased the grace of the function by their presence.

Hence submitted the report for your kind information.

Thank you

Date:29/09/2022

English Department

Principal 30/9/2022
Mungasaji Maharaj
Mahavidyalaya, Darwha

Report of Formation of study circle English Department

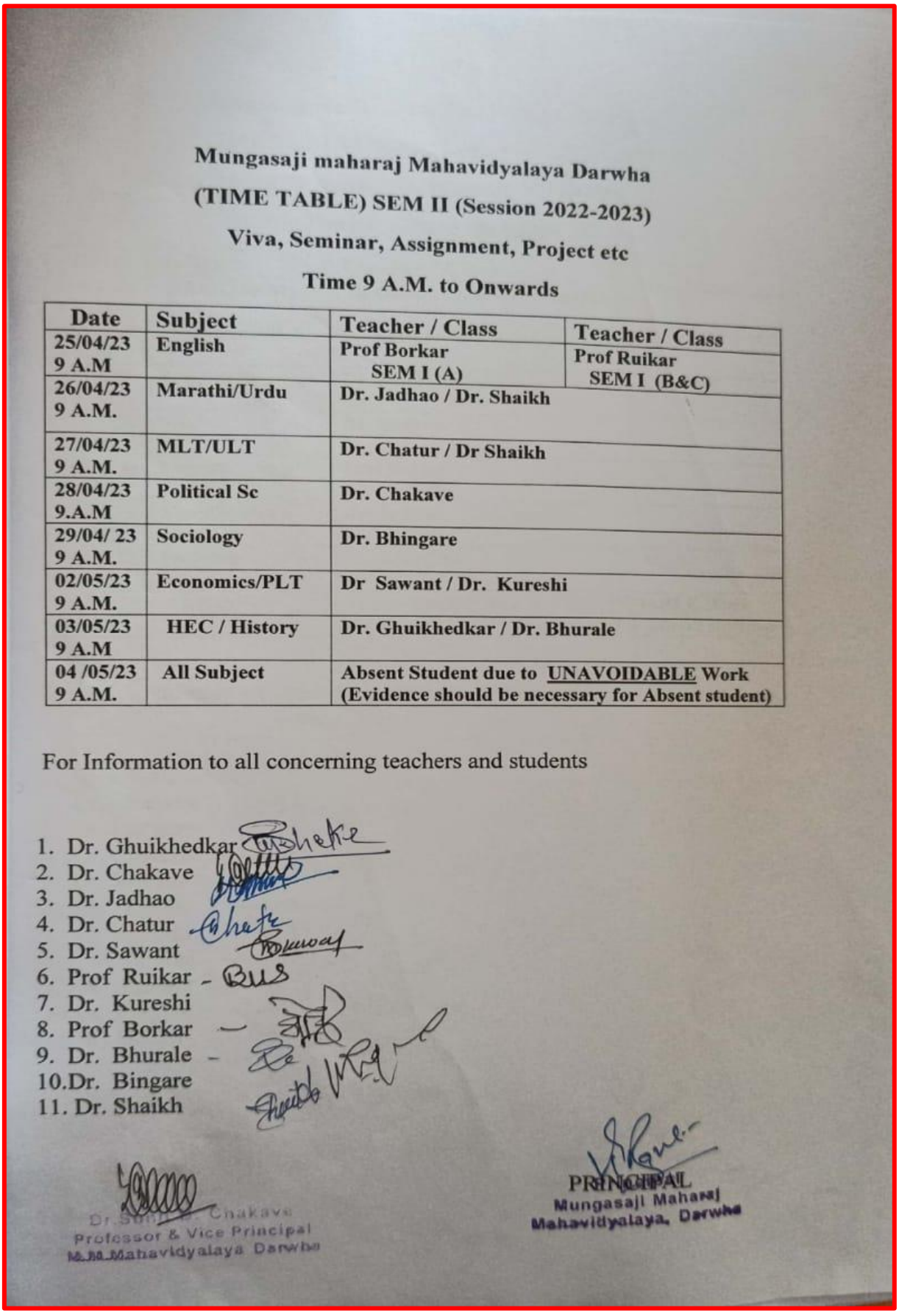
Glimpses of the Program

Guest Speaker Dr. N. P. Sulabhewar Kindling the lamp

Guest Speaker Dr. N. P. Sulabhewar Inaugurating the function

Guest Speaker Dr. N. P. Sulabhewar addressing the students

Formation of study circle English Department



Mungasaji maharaj Mahavidyalaya Darwha

(TIME TABLE) SEM II (Session 2022-2023)

Viva, Seminar, Assignment, Project etc

Time 9 A.M. to Onwards

Date	Subject	Teacher / Class	Teacher / Class
25/04/23 9 A.M	English	Prof Borkar SEM I (A)	Prof Ruikar SEM I (B&C)
26/04/23 9 A.M.	Marathi/Urdu	Dr. Jadhao / Dr. Shaikh	
27/04/23 9 A.M.	MLT/ULT	Dr. Chatur / Dr Shaikh	
28/04/23 9.A.M	Political Sc	Dr. Chakave	
29/04/ 23 9 A.M.	Sociology	Dr. Bhingare	
02/05/23 9 A.M.	Economics/PLT	Dr Sawant / Dr. Kureshi	
03/05/23 9 A.M	HEC / History	Dr. Ghuikhedkar / Dr. Bhurale	
04 /05/23 9 A.M.	All Subject	Absent Student due to UNAVOIDABLE Work (Evidence should be necessary for Absent student)	

For Information to all concerning teachers and students

1. Dr. Ghuikhedkar
2. Dr. Chakave
3. Dr. Jadhao
4. Dr. Chatur
5. Dr. Sawant
6. Prof Ruikar
7. Dr. Kureshi
8. Prof Borkar
9. Dr. Bhurale
10. Dr. Bingare
11. Dr. Shaikh

Professor & Vice Principal
M.M.Mahavidyalaya Darwha

PRINCIPAL
Mungasaji Maharaj
Mahavidyalaya, Darwha

Time Table

Mungasaji Maharaj Mahavidhayalaya Darwha, Dist. Yavatmal

Seminnar Report

Session 2022-23

Sr.No	Class	Subject	Seminar Date	Devilring Seminar	Present Student
1	B.A.I Sem.I	Sociology	05/11/22	4	62
2	B.A.I Sem. II	Sociology	19/03/23	4	71
3	B.A.II Sem. III	Sociology	04/11/22	3	55
4	B.A.II Sem. IV	Sociology	08/03/23	4	50
5	B.A.III Sem. V	Sociology	12/11/22	3	41
6	B.A.III Sem VI	Sociology	18/03/23	3	38

Subject teacher
Dr. Nitin R. Bhingare

Mungasaji Maharaj Mahavidhayalaya Darwha, Dist. Yavatmal

Assignment Report

Session 2022-23

Sr.No	Class	Subject	Date of Assignment	Assignment Submit Student
1	B.A.I Sem.I	Economics	10/08/22	67
			10/09/22	67
			30/09/22	67
			18/10/22	67
			24/11/22	67
2	B.A.I Sem. II	Economics	10/02/23	28
			28/02/23	28
			15/03/23	28
			14/04/23	28
			29/04/23	28
3	B.A.II Sem. III	Economics	10/08/22	33
			10/09/22	33
			27/09/22	33
			17/10/22	33
			25/11/22	33
4	B.A.II Sem. IV	Economics	11/02/23	33
			15/03/23	33
			31/03/23	33
			16/04/23	33
			26/04/23	33
5	B.A.III Sem. V	Economics	10/08/22	39
			10/09/22	39
			28/09/22	39
			17/10/22	39
			26/11/22	39
6	B.A.III Sem VI	Economics	11/02/23	39
			11/03/23	39
			28/03/23	39
			14/04/23	39
			05/05/23	39

Subject teacher
Dr. Shankar M. Sawant

13

Assignment Report – Economics Department

Mungasaji Maharaj Mahavidhayalaya Darwha, Dist. Yavatmal

Power Point Presentation Report

Session 2022-23

Sr.N.	Class	Subject	Date	Subject of PPT	Present Students
1	B.A.II Sem. I	Sociology	23/11/22	On a one-sentence question on the Sconde unit	65
			16/12/22	On a one-sentence question on the fifth unit	71
2	B.A.II Sem. III	Sociology	11/11/22	On a one-sentence question on the first unit	45
			28/12/22	On a one-sentence question on the fourth unit	41
3	B.A.III Sem.V	Sociology	05/11/22	On a one-sentence question on the first unit	35
			23/12/22	On a one-sentence question on the fourth unit	31

Sr.N.	Class	Subject	Date	Subject of PPT	Present Student
1	B.A.II Sem. II	Sociology	03/03/23	On a one-sentence question on the fourth unit	69
			15/04/23	On a one-sentence question on the fifth unit	55
2	B.A.II Sem. IV	Sociology	01/03/23	On a one-sentence question on the first unit	42
			20/04/23	On a one-sentence question on the Sconde unit	46
3	B.A.III Sem. VI	Sociology	09/04/23	On a one-sentence question on the first unit	38
			15/04/23	On a one-sentence question on the Seconde unit	40

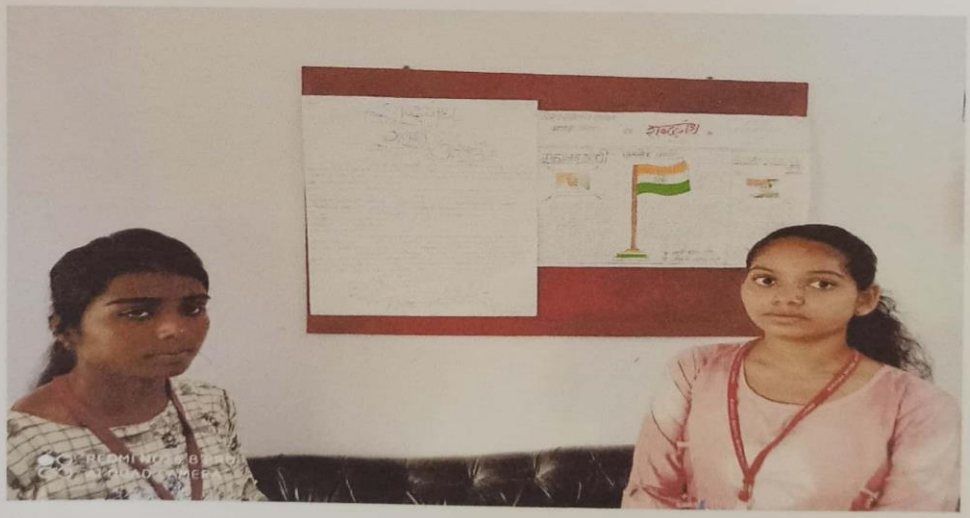
Subject teacher
Dr. Nitin R. Bhingare

PPT presentations – Sociology Department

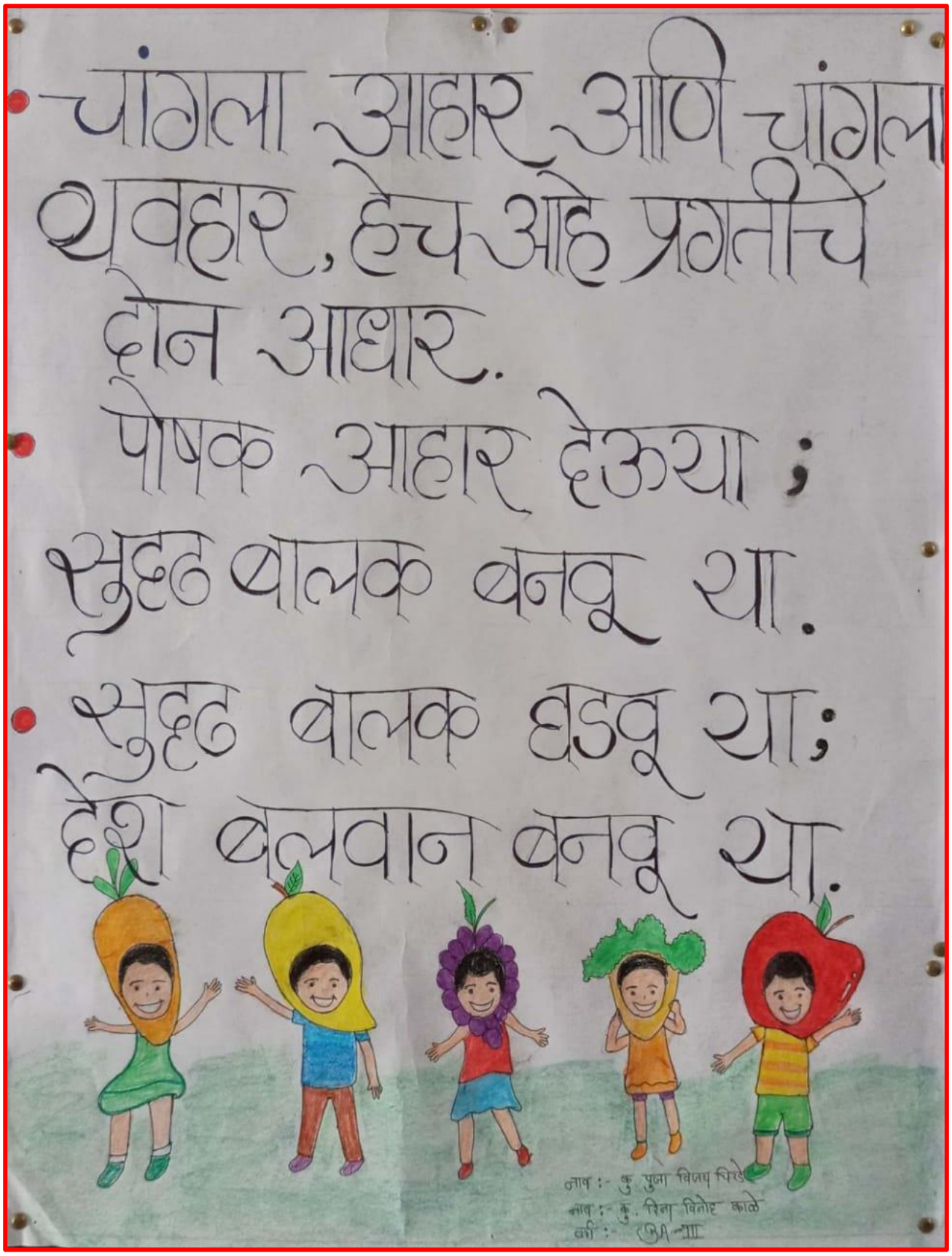
वसुंधरा वार्षिकांक २०२३

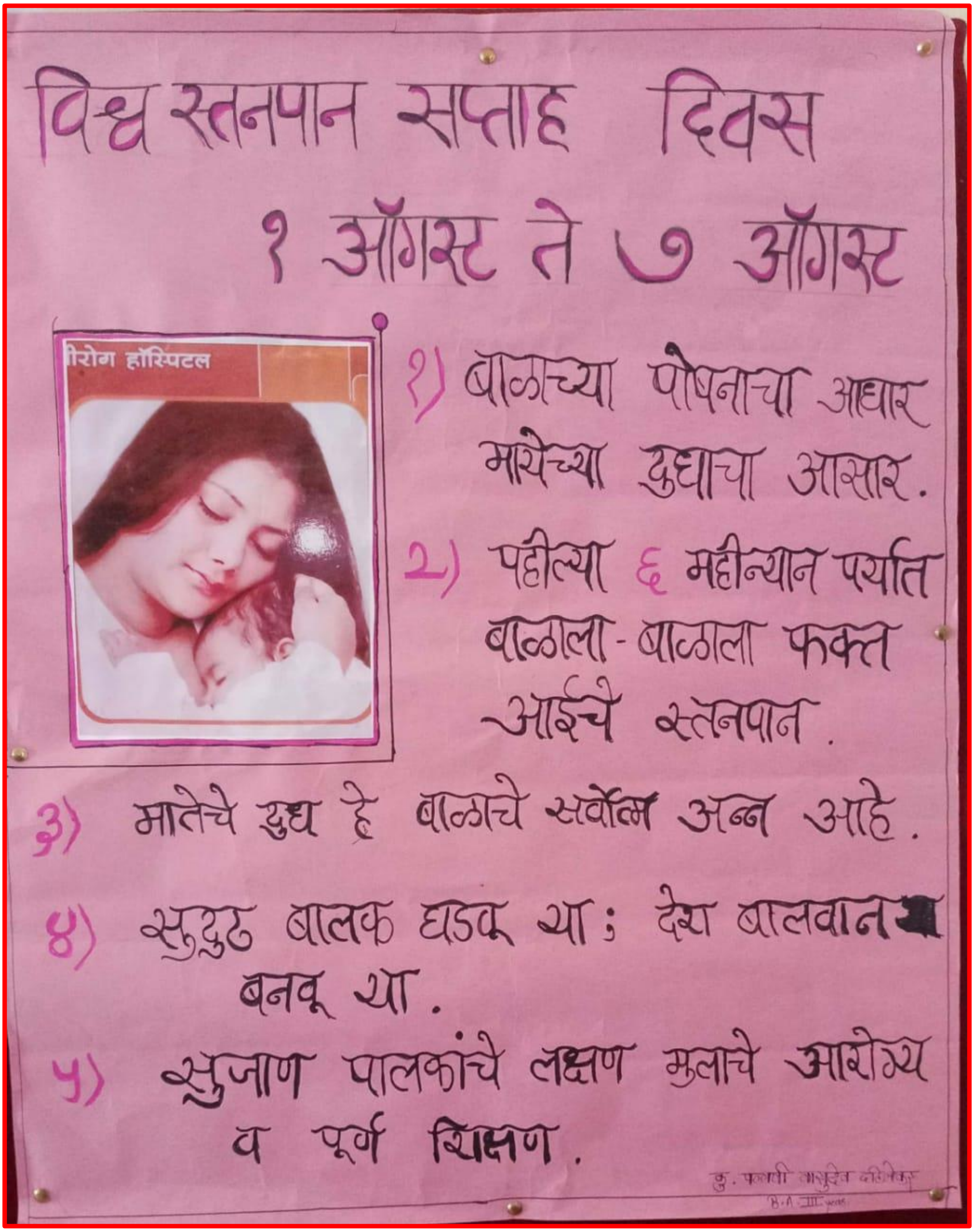
प्रकाशन सोहळा

भित्ती पत्रक १५ ऑगष्ट २०२३



Annual Magazine & Wall paper by Marathi Department


चांगला आहार आणि चांगला
व्यवहार, हेच आहे प्रगतीचे
दोन आधार.
पोषक आहार देऊया ;
सुदृढ बालक बनवू या.
सुदृढ बालक घडवू या;
देश बलवान बनवू या.
नाव :- कु. पुजा विजय पिरडे
नाव :- कु. रिना विनोद काळे
वर्ग :- अ-III



Wall paper by Home Economics Department

Study material

STUDY MATERIAL PROVIDED TO STUDENTS

Miss. Dhanshree Kothekar

Sr. No.	Subject	Topic	Class	Format of Material
1.	Physics	Elastivity	B. Sc. I	PPTs
2.	Physics	Solid State Devices I (MCQ Bank)	B. Sc. I	Word File
3.	Physics	Practical Manual	B. Sc. I	Word File
4.	Physics	Question Papers of Previous Years	B. Sc. I	PDFs
5.	Physics	Diffraction	B. Sc. II	PDF Notes
6.	Physics	Interference	B. Sc. II	PDF Notes
7.	Physics	Polarization	B. Sc. II	PDF Notes (Hand Written)
8.	Physics	Semiconductor (MCQ Bank)	B. Sc. II	Word File
9.	Physics	Question Papers of Previous Years	B. Sc. II	PDFs
10.	Physics	Practical Manual	B. Sc. II	Word File
11.	Physics	Crystallography	B. Sc. III	PPTs
12.	Physics	Raman Effect	B. Sc. III	PPTs
13.	Physics	Atomic Spectroscopy (MCQ Bank)	B. Sc. III	Word File
14.	Physics	Question Papers of Previous Years	B. Sc. III	PDFs
15.	Physics	Practical Manual	B. Sc. III	Word File
16.	Mathematical Physics	Mathematical Physics by H. K. Dass	M. Sc. I	e-book
17.	Classical Mechanics	Classical Mechanics by Goldstein	M. Sc. I	e-book
18.	Quantum Mechanics	Quantum Mechanics : Concepts and Applications by Nouredine Zettili	M. Sc. I	e-book
20.	Solid State Physics	Introduction to Dislocations by Bacon and Hull MCQ Bank	M. Sc. I	e-book
21.	Nuclear Physics		M. Sc. II	Word File
22.	Atomic and Molecular Spectroscopy	Atomic and Molecular Spectroscopy by Rajkumar	M. Sc. II	e-book

Study material provided by Asstt. Prof. Miss Kothekar

E-Study material provided in the form of CD's

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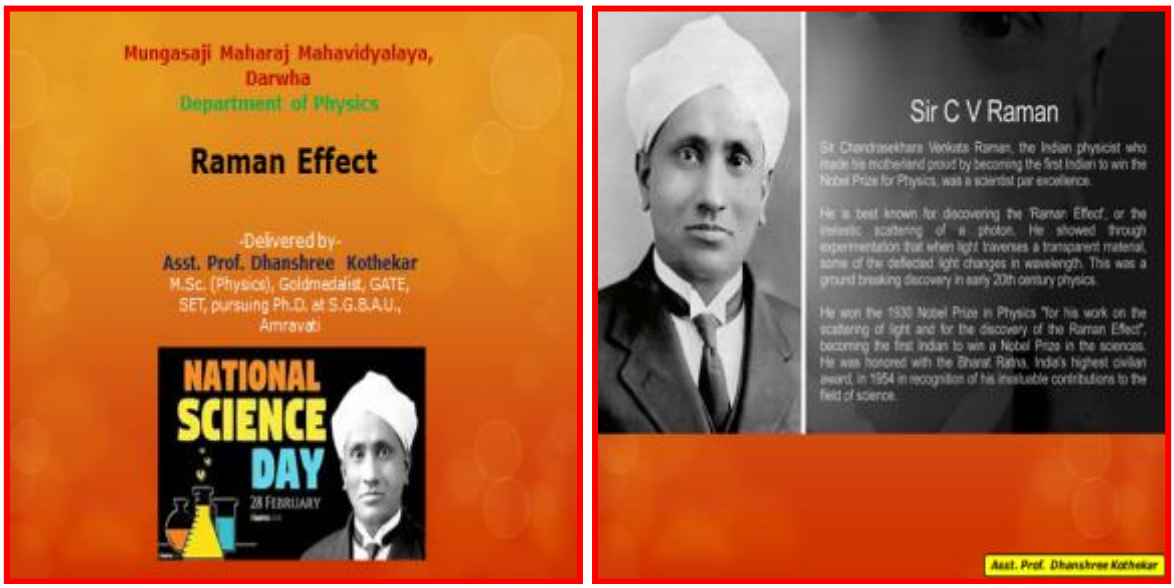
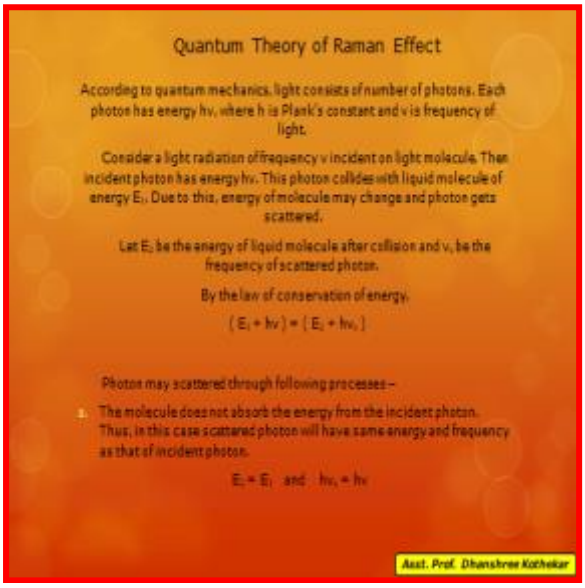
E-Study material provided in the form of CD's

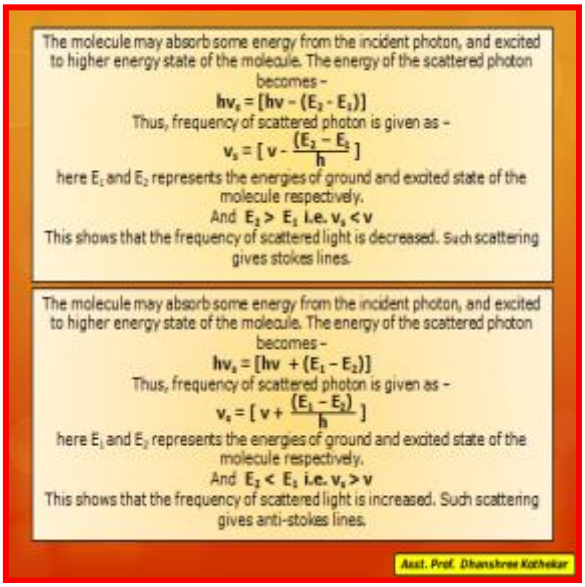
E-Study material provided in the form of CD's

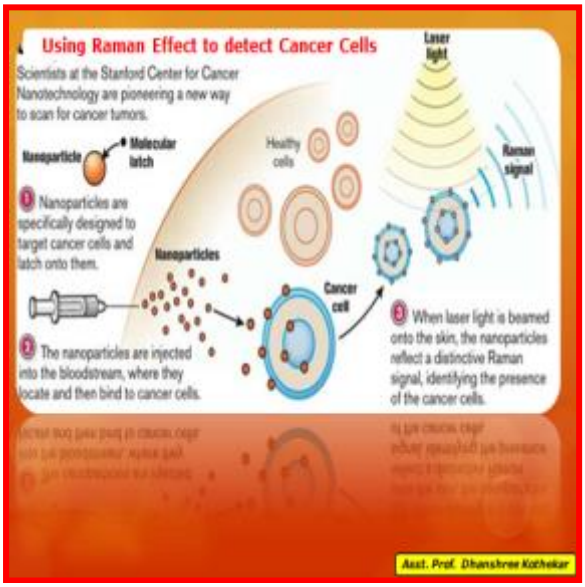


PPT study material on 'Raman Effect' by Department of Physics



PPT study material on 'Raman Effect'by Department of Physics

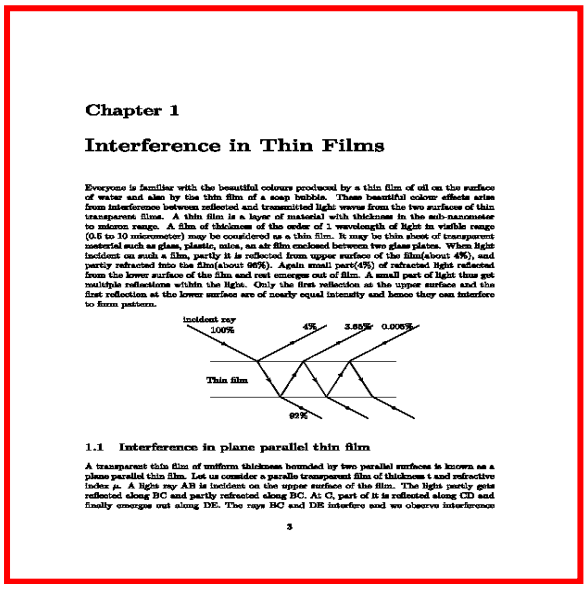




PPT study material on 'Raman Effect' by Department of Physics

Contents

2



Chapter 1

Interference in Thin Films

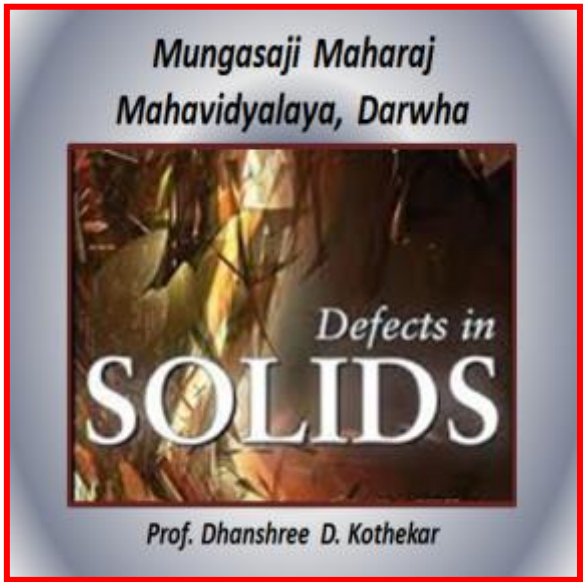
Everyone is familiar with the beautiful colours produced by a thin film of oil on the surface of water and also by the thin film of a soap bubble. These beautiful colour effects arise from interference between reflected and transmitted light waves from the two surfaces of thin transparent films. A thin film is a layer of material with thickness in the sub-nanometer to micron range. A film of thickness of the order of 1 wavelength of light in visible range (0.5 to 10 micrometer) may be considered as a thin film. It may be thin sheet of transparent material such as glass, plastic, mica, an air film enclosed between two glass plates. When light Incident on such a film, partly it is reflected from upper surface of the film(about 4%), and partly refracted into the film(about 96%). Again small part(4%) of refracted light reflected from the lower surface of the film and rest emerges out of film. A small part of light thus get multiple reflections within the light. Only the first reflection at the upper surface and the first reflection at the lower surface are of nearly equal intensity and hence they can interfere to form pattern.

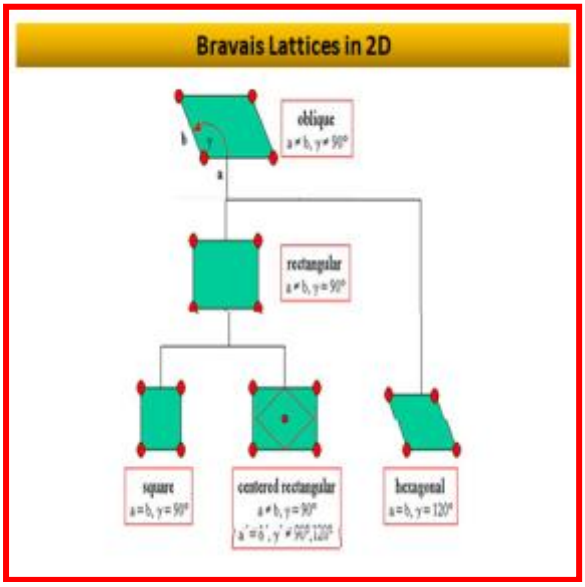
1.1 Interference in plane parallel thin film

A transparent thin film of uniform thickness bounded by two parallel surfaces is known as a plane parallel thin film. Let us consider a parallel transparent film of thickness t and refractive index μ. A light ray AB is incident on the upper surface of the film. The light partly gets reflected along BC and partly refracted along BC. At C, part of it is reflected along CD and finally emerges out along DE. The rays BC and DE interfere and we observe interference

3

Study Material on 'Thin Films' by Department of Physics





Study Material on Defects in Solids by Department of Physics

Department of Physics

Semiconductors

1. There is a ..... energy gap between conduction band and valance band.
a. Forbidden b. More c. Infinite d. Zero

2. The covalent bonds in semiconductors are formed due to ..... of electrons.
a. Donation b. Sharing c. Acceptance d. None

3. Majority charge carriers in p-type semiconductor are .....
a. Electrons b. Holes c. Both d. None

4. Pure semiconductor is also called as .....
a. Extrinsic b. N-type c. Intrinsic d. P-type

5. Germanium atom has atomic number .....
a. 14 b. 10 c. 32 d. 0

6. ..... are the minority charge carriers in N-type semiconductor.
a. Electrons b. Holes c. Both d. None

7. Depletion region contains .....
a. Free electrons b. Holes c. Immobile ions d. None of these

8. When Silicon atom doped with the pentavalent impurity, it becomes ..... semiconductor.

Old question papers of University

a. P- type b. N-type c. Intrinsic d. None

9. In intrinsic semiconductor, the number of free electrons, in conduction band is ..... number of holes in valance band.
a. More b. Less c. Equal d. None

10. In forward bias condition, p-n junction offers .....
a. High resistance b. Low resistance c. Zero resistance d. High or low resistance

11. Semiconductor materials have .....
a. Covalent bonds b. Ionic bond c. Pie bond d. None

12. Mobility is a function of .....
a. Applied electric field only b. Temperature only
c. Applied electric field and temperature d. None of these

13. S. I. Unit of conductivity is .....
a. ohm. cm b. ohm. meter c. ohm^{-1}. cm^{-1} d. ohm^{-1}. $meter^{-1}$

14. The thickness of depletion region depends on .....
a. Type of semiconductor b. Doping level
c. Conductivity d. Mobility

15. The barrier potential for silicon semiconductor is .....
a. 0.7 eV b. 1.1 eV c. 2 eV d. Zero

MCQ's question bank for practice

Department of Physics

Atomic Spectroscopy

1. Space quantization and spinning of electron are the important features of .....
a. Rutherford Atomic Model b. Bohr Atomic Model
c. Vector Atomic Model d. None

2. According to space quantization, electron orbits are .....
a. Quantized b. Splitted c. Not restricted d. None

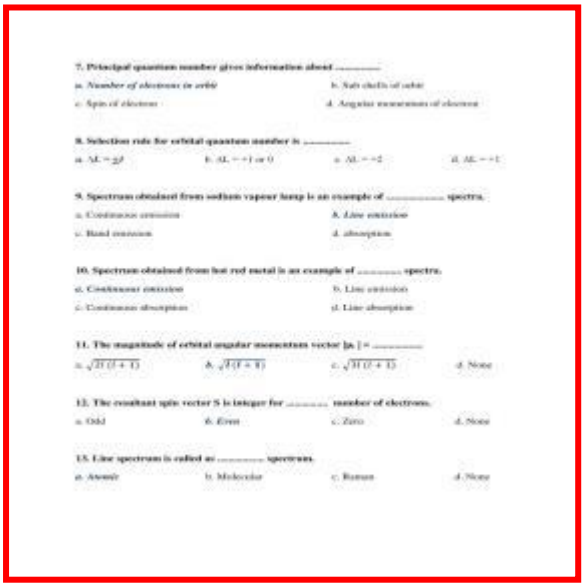
3. For a system of two electrons with anti- parallel spin, spin quantum number is .....
a. 1 b. Zero c. 1/2 d. -1/2

4. Selection rule for total angular quantum number J is .....
a. $\Delta J = \pm 1$ b. $\Delta J = 0$ c. $\Delta J = 1/2$ d. None

5. ..... Coupling is frequently used in light atoms.
a. j - j b. L-S c. Both j - j and L-S d. None

6. According to Vector Atom Model, electron orbits are quantized in .....
a. Magnitude only b. Direction only
c. Both magnitude and direction d. None of these

MCQ's question bank for practice



7. Principal quantum number gives information about .....
a. Number of electrons in orbit b. Sub shells of orbit
c. Spin of electron d. Angular momentum of electron

8. Selection rule for orbital quantum number is .....
a. $\Delta L = \pm 1$ b. $\Delta L = +1$ or 0 c. $\Delta L = +2$ d. $\Delta L = +1$

9. Spectrum obtained from sodium vapour lamp is an example of ..... spectra.
a. Continuous emission b. Line emission
c. Band emission d. absorption

10. Spectrum obtained from hot red metal is an example of ..... spectra.
a. Continuous emission b. Line emission
c. Continuous absorption d. Line absorption

11. The magnitude of orbital angular momentum vector $|\mu_l| =$ .....
a. $\sqrt{l(l+1)}$ b. $\sqrt{l(l+1)}$ c. $\sqrt{l(l+1)}$ d. None

12. The resultant spin vector S is integer for ..... number of electrons.
a. Odd b. Even c. Zero d. None

13. Line spectrum is called as ..... spectrum.
a. Atomic b. Molecular c. Raman d. None

MCQ's question bank for practice

14. Principal quantum number determines the size of .....
a. Electrons b. Electron orbit c. Nucleus d. Protons

15. In case of j - j coupling scheme J = ...
a. $j_1+j_2+j_3$ b. $j_1+j_2-j_3$ c. j_{1+} d. L+S

16. For a given value of l, total values of m_l are .....
a. 2l b. 2l + 1 c. l d. l + 1

17. Orbital quantum number determines the ..... of electron orbit.
a. Energy b. Size c. Shape d. Spin

18. Small letters like s, p, d, f and l, s, j are used to describe the state of .....
a. Electron b. Atom c. Molecule d. Ion

19. In case of L-S coupling J = ...
a. $J_1 + J_2 + J_3$ b. $j_1 + j_2 + j_3$ c. $l + s$ d. L + S

20. Capital letters like S, P, D, F and L, S, J are used to describe the state of .....
a. Electron b. Atom c. Molecule d. Ion

MCQ's question bank for practice

MCQ Bank

Solid State Devices - I

B. Sc. II Sem. III

1. There is a ..... energy gap between conduction band and valance band.
a. Forbidden b. Less c. Infinite d. Zero

2. The covalent bonds in semiconductors are formed due to ..... of electrons.
a. Donation b. Sharing c. Acceptance d. None of these

3. Majority charge carriers in p-type semiconductor are .....
a. Electrons b. Holes c. Both d. None of these

4. Pure semiconductor is also called as .....
a. P-type b. N-type c. Intrinsic d. Extrinsic

5. Germanium atom has atomic number .....
a. 14 b. 10 c. 32 d. zero

6. ..... are the minority charge carriers in N-type semiconductor.
a. Electrons b. Holes c. Both d. None of these

7. Depletion region contains .....
a. Free electrons b. Holes c. Immobile ions d. None of these

8. When Silicon atom doped with the pentavalent impurity, it becomes ..... semiconductor.
a. P-type b. N-type c. Intrinsic d. None of these

9. In intrinsic semiconductor, the number of free electrons, in conduction band is ..... number of holes in valance band.
a. More b. Less c. Equal d. Not equal

10. In forward bias condition, p-n junction offers .....
a. High resistance b. Low resistance c. Zero resistance d. None of these

11. Semiconductor materials have ..... bonds.
a. Covalent b. Ionic c. Pie d. Metallic

MCQ's question bank for practice

12. Mobility is a function of .....
a. Applied electric field only b. Applied electric field and temperature
c. Temperature only d. None

13. S. I. Unit of conductivity is .....
a. ohm. cm b. ohm. meter c. ohm^{-1}. cm^{-1} d. ohm^{-1}. $meter^{-1}$

14. The thickness of depletion region depends on .....
a. Type of semiconductor b. Conductivity
c. Doping level d. Mobility

15. The barrier potential for silicon semiconductor is .....
a. 0.7 eV b. 1.1 eV c. 2 eV d. zero

16. A forward bias p-n diode has a resistance of the order of .....
a. ohm b. kilo ohm c. mega ohm d. None

17. A reverse bias p-n junction has .....
a. Very narrow depletion region b. Almost no current
c. Very low resistance d. Large current flow

18. With forward bias to a p-n junction, width of depletion layer .....
a. Increases b. Decreases c. Remains same d. None of the above

19. Electrical conductivity of semiconductor is .....
a. Decreases with rise in temperature
b. Does not change with the rise in temperature
c. Increases with rise in temperature
d. First increases and then decreases with the rise in temperature

20. Three semiconductors are arranged in the increasing order of their energy gaps as follows. The CORRECT arrangement is –
a. Tellurium, Silicon, Germanium b. Silicon, Germanium, Tellurium
c. Tellurium, Germanium, Silicon d. Silicon, Tellurium, Germanium

21. In an insulator, the forbidden energy gap between valance band and conduction band is of the order of .....
a. 1 eV b. 5 eV c. 0.1 MeV d. 1 MeV

MCQ's question bank for practice

22. Forbidden energy band gap of Silicon is .....
a. 0.7 eV b. Between 2eV and 3eV c. 1.1 eV d. 5 eV

23. Varactor diode is NOT used in .....
a. Frequency multipliers b. Operational amplifiers
c. Parametric amplifiers d. Voltage controlled oscillators

24. LED is operated in ..... mode.
a. Reverse bias b. Conduction c. Forward bias d. None of these

25. Hall coefficient have ..... value for n-type semiconductors.
a. Positive b. Negative c. Zero d. None

26. Whether the semiconductor is n-type or p-type can be confirmed with the help of .....
a. Hall effect b. LED c. Varactor diode d. None

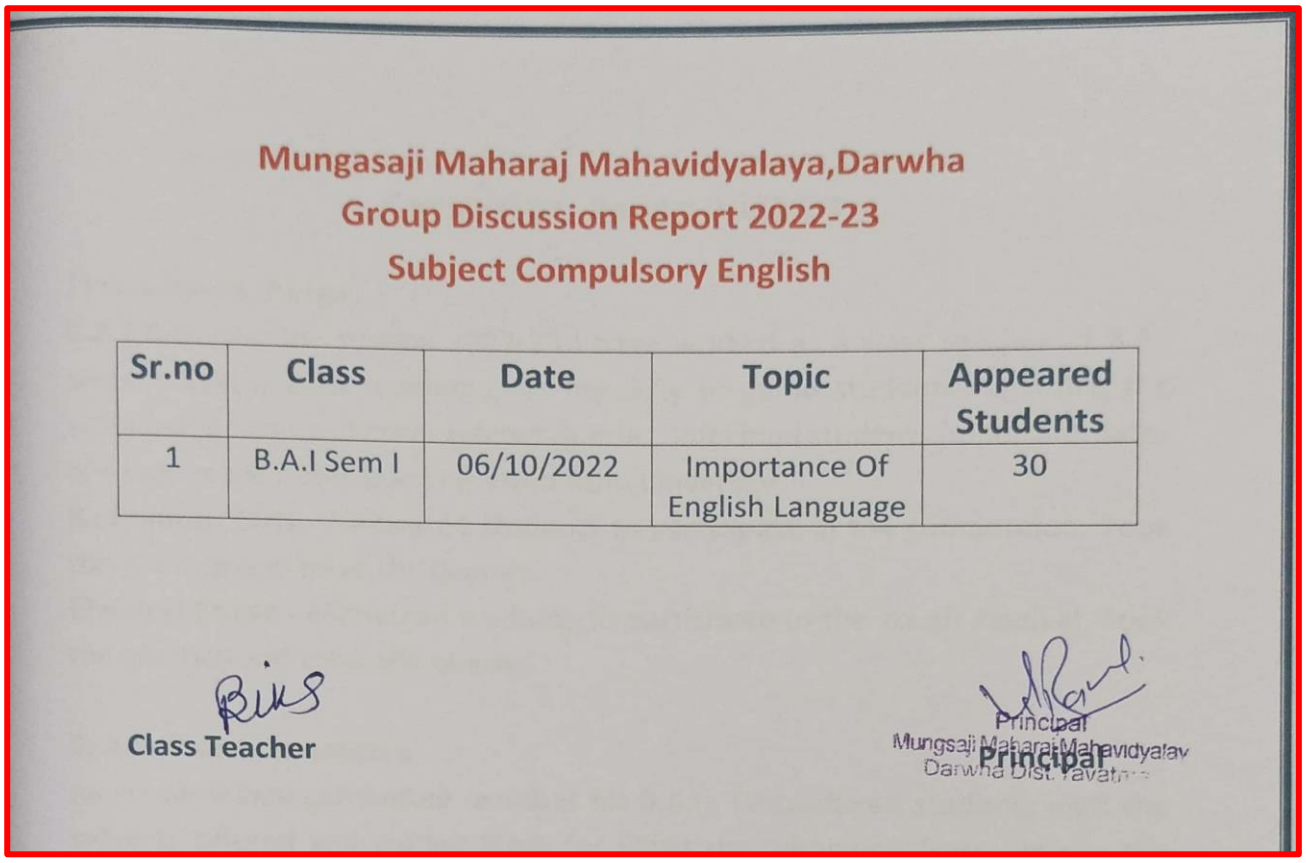
27. Electron mobility is inversely proportional to .....
a. Applied electric field b. Conductivity of electron
c. Drift velocity of electron d. None of above

28. Fermi level in p-type semiconductor is located .....
a. Near the bottom of the conduction band b. Near the top of the conduction band
c. Near the bottom of the valance band d. Near the top of the valence band

29. For p-type semiconductor, the formula to calculate the Hall coefficient is .....
a. H = n / p b. R = -1 / pe c. R = 1/ pe d. R = pe

30. LED has the advantage .....
a. It operates very fast b. It is so difficult to handle
c. It requires very large energy for operation d. It is very costly

MCQ's question bank for practice



Mungasaji Maharaj Mahavidyalaya,Darwha

Group Discussion Report 2022-23

Subject Compulsory English

Sr.no	Class	Date	Topic	Appeared Students
1	B.A.I Sem I	06/10/2022	Importance Of English Language	30

Class Teacher

Principal
Mungsaji Maharaj Mahavidyalay
Darwha Dist. Yavatmal

Principal

Group Discussion Report – English Department

Seal

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