Gramin (Arts, Commerce & Science) Mahavidyalay Vasantnagar

Activity Report, Year 20225 - 20226

Department / Committee Department of Physics **IQAC Document No:**

Title of the Activity **Open Book Test**

Name of the Coordinator	Day and Date	Venue	Time
Prof. Dr. D. K. Kendre	**07/01/2026, Wednesday**	**Physics Department**	**11:00 AM**
Number of beneficiaries: **21**	Nature: Outdoor / **Indoor** / Online	Types pf Activity: Academic / Extention / Student support / Student progration / Environment / Gender / Days / Enrichment /Anyother ther (Specify):	
Total Expendature : ---	Name of the Chief guest : ------		

ACTIVITY DETAILS

Topic / Title of the activity	Open Book Test
Objectives	To encourage analytical, critical and problem-solving skills.
Methodology	Problem-based learning.
Outcomes	Learners become more confident and exam-ready for practical and competitive environments.

DOCUMENTATION:

Pre-event Documents (Apporoval and planning)	1. Approval letter 2. Guest speaker invitation 3. Notice 4. Flyer 5. Pre-registration list 6. Budget sanction
During event documents	1. Signature Attendance of participants: Counter signature by Guest 2. High-quality geotagged photos with accurate event tagging 3. Some small reels of essentials parts of the programs
Post-event documents (Feedback and reports)	4. Feedback and feedback analysis 5. Certificate of appreciation 6. Event report. 7. Annual report monitoring activity 8. Publicity

IQAC Document No:	/ / / 2025 -2026 / Attribute Name and No.
Departmental file No.	4/ Activity file/ /2025 -2026
Name of the Teacher with Signature & date:	Name of the Head/Committee Incharge Signature with date:

To,

Date: 05/01/2026.

The Principal,

Gramin (ACS) Mahavidyalaya,

Vasantnagar, Tq. Mukhed.

Subject: **Application for your consent to organize Open Book Test.**

Respected sir,

We, the deparment of physics would like to seek your kind permission to organize Open Book Test. The event is organized on date 07/01/2026 at 02.00 PM. The aim of activity to aware and promote the students using of reference book for academic syllabus understanding.

We kindly request you to grant us permission to conduct the above-mentioned Open Book Test. Your support will be highly encouraging to all the Students involved in event.

Thanking you.

Yours faithfully,

05/1/26

Dr. D.K. Kendre

Prof. & Head

Dept. of Physics

Permission Granted

5/1/26

Principal
Gramin Arts.,Comm. & Science
Mahavidyalaya, Vasantnagar
Kotgyal Tq.Mukhed Dist.Nanded

INTERNAL QUALITY ASSURANCE CELL GMV

Vimukt Jati Seva Samiti's

Gramin (ACS) Mahavidyalaya Vasantnagar

Tq.-Mukhed Dist. Nanded (M.S.)-431 715.

NOTICE

Date:- 05/01/2026

All teachers of Department of Physics are hereby informed that the dept. of physics has organized open book test on 07/01/2026 at 02:00 pm for B.Sc. F.Y. physics students.

Venue : Physics Department

Principal
Gramin Arts,Comm.& Science
Mahavidyalaya,Vasantnagar (Kotgyal)
Tq.Mukhed Dist. Nanded

Your's faithfully
Dr. D.K. Kendre
Prof. & Head
Dept.Of Physics

S. N.	Name of the Teacher	Sign.	S. N.	Name of the Teacher	Sign.	S. N.	Name of the Teacher (CHB)	Sign.
01	Principal Dr. Rathod H.B.		19	Dr. Pawar D.C.		36	Dr. Deshmukh B.S.	
02	Dr. Kshirsagar S.G.		20	Dr. Pentewar M.S.		37	Shri. Kamlakar S.V.	
03	Shri Rathod B.C.		21	Dr. Sow. Shendge S.N.		38	Miss. Bagal V.C.	
04	Dr. Kendre D.K.		22	Dr. Gore S.Y.		39	Miss. Lokhande M.B.	
05	Shri Jewle S.A.		23	Dr. Mathpati G.H.		40	Shri. Pawar V. B	
06	Dr. Badne R.D.		24	Shri .Patil S.S.		41	Dr. Panchal J.G.	
07	Sow. Itkapalle A.P.		25	Shri.Pande G.K.		42	Dr.Patel S.N.	
08	Dr. Giri M.A.		26	Dr. Mrs. Lohale K.C.		43	Shri. Gitte G.R.	
09	Dr. Shinde P.R.		Name of the Teacher (CHB)			44	Waghmare D.W.	
10	Dr. Kankute S.R.		27	Shri. Jadhav A.S.		Name of the Non-Teaching		
11	Dr. Naik N.U.		28	Shri. Waghmare B.S.		1	Shri Gokule R.G.	
12	Dr. Kallimath S.K.		29	Shri. Shelke U.P.		2	Shri Rathod A.P.	
13	Dr. Awade N.H.		30	Shri. Sayyad S.N.		3	Shri.Zampalwad S.S.	
14	Dr. Chavan V.P		31	Shri. Navghare P.B.		4	Shri Rathod N.S.	
15	Shri S.Babarao		32	Dr. Honwadajkar M.B.		5	Shri Rindakwale R.R.	
16	Dr. Reddy S.M.		33	Shri. Hangargekar K.B.		6	Shri Sarkale B.V.	
17	Dr. Padamwar U.D.		34	Dr. Gaikwad S.B.		7	Shri Mane S.D.	
18	Dr, Pawar S.K.		35	Dr. Shetkar N.S.		8	Smt. Chavan Sarubai	
						9	Shri Karale P.V.	


GPS Map Camera
Mukhed, Maharashtra, India
Vasantnagar, P7gx+vr2, Mukhed,
Maharashtra 431715, India
Lat 18.727197° Long 77.299409°
07/01/2026 02:14 PM GMT +05:30


DARK ROOM
GPS Map Camera
Mukhed, Maharashtra, India
Vasantnagar, P7gx+vr2, Mukhed, Maharashtra 431715, India
Lat 18.727283° Long 77.299383°
Wednesday, 07/01/2026 02:29 PM GMT +05:30
Google

Vimukta Jati seva Samitee's

Gramin (ACS) Mahavidyalaya

Vasantnagar (Kotgyal) Tq. Mukhed Dist. Nanded

Department of Physics

B.Sc. F.Y. Year 2025-26

07 th Jan, 2026

Open Book Test Mark list.

Sr. No.	Name of the student	Mobile No.	Signature	Open book Test Maximum 20 Marks.
1	Aambore Vaishnavi Shankar			
2	Attar Shabana Mahamadsarvar			
3	Bansode Ayush Bhujang			
4	Bharti Madhav Dhondiba			
5	Chamkure Sushant Narayan			
6	Chavan Krushna Ganesh			
7	Chavan Maheshwari Anil	7755934394	Maheshwari	11
8	Chavan Santosh Keshav			
9	Dawkare Dnyaneshwari Parmeshwar	9209788311		11
10	Dawkare Mira Maroti	8308701037	Mira	11
11	Dornale Mahesh Govindrao			
12	Ghantewad Dipali Hanmant			
13	Gitte Hanmant Madhav			
14	Hakke Balaji Maroti			
15	Holgir Ganpat Ramrao			
16	Holgir Rani Chandrakant			
17	Devkatte Yuvraj Suryakant			
18	Indurkar Dipak Yadavrao	9637251842	DIPAK	17
19	Jadhav Sachin Ganesh	8263962812	Sachy.	19 — I
20	Jaybhaye Rupwanta Vittalrao			
21	Kagne Rupali Ramdas	8149795706	Rupali.	17
22	Kailase Manmath Shivhar	7499617257		18 — II
23	Kalhale Shivam Nagnath	7709054410	Shivam	15
24	Kamble Siddhant Rajiv			
25	Karale Balaji Ramrao			
26	Khandgave Yogita Venkatrao	9022324557	Yogita	17
27	Kondekar Sharvil Madhavrao	7219847655		18
28	Kurude Ravi Shivaji	8262839014		14
29	Maskale Vishal Maroti			
30	Meharkar Sumit Abhay			
31	Mogadewar Hariom Balaji	9421762791		18
32	Patil Sanjana Ananda	7709903300		16
33	Pawar Gajanan Manohar	9503953716	Gajanan	14
34	Pawar Madhuri Shivaji			
35	Puri Kishan Shankarrao			
36	Ramtirthe Arati Datta			

INTERNAL QUALITY ASSURANCE CELL GMV

37	Rathod Arvind Satish			
38	Rathod Meghana Avinash			
39	Rathod Rameshwar Hanmant			
40	Jadhav Balu Laxman			
41	Rathod Sainath Sanjay			
42	Shetwad Suraj Mashnaji			
43	Shikare Sonu Rohidas			
44	Shinde Yogesh Pandurang			
45	Shivpuje Vaibhav Vikas			
46	Shrirame Dattatray Balwantrao			
47	Shrirame Dnyaneshwari Sandipan	9822259199	Dnyaneshw..	15
48	Singanwad Rohini Baburao	9607641205	Rohini	14
49	Sonkamble Dhammadip Sadashiv			
50	Sonkamble Pradip Ramu	8261885686	Pradip..	18 — II
51	Swami Virbhadra Santosh			
52	Wadje Punam Prabhakar			
53	Waghmare Manisha Achyut	8411080350	Manisha	13
54	Yarpulwad Balika Waman	9767696144	Balika.	12
55	Jadhav Sachin Baliram			
56	Gangasagre Sonali Devidas	7709869354	Sonali	15
57	Pooja Nilkhant Pawale			
58	Jaywant Shankar Gandapwad			
59	Wadje Dattatary Vishwambhar			
60	Tapre Omkar Sadashiv			
61	Badke Mayuri Hanmant	9307674393	MBadke	13

Dr D. K. Kendre

Principal
Gramin Arts,Comm.& Science
Mahavidyalaya,Vasantnagar (Kotgyal)
Tq.Mukhed Dist. Nanded

Vimukta Jati Seva Samitee's

Gramin (ACS) Mahavidyalaya, Vasantnagar (Kotgyal)

Tq. Mukhed Dist. Nanded

Department of Physics

Class : B.Sc. F.Y. (sem II) Year 2025-26

Name of the Paper SPHYCT1151:Fundamentals of Physics – II

Open Book Test

Date : 07/01/2026 Time : 02 to 2:30pm

Name of the Student : Jadhav Sachin Ganesh 19/20 8/1/26

Mobile no. : 8263962812

Note : All questions are compulsory. **Maximum Marks – 20**

Q. 1 Fill in the blanks. **5×1 = 05 Marks**

a) The eye can view objects in the angle range is called field of view

b) Ramsden eyepiece is achromatic for only two chosen colours.

c) An aperture stop is a circular opening in an opaque screen.

d) The size of the retinal image depends upon the visual angle.

e) The telescope that uses a lens as an objective is called a refracting telescope

Q. 2 State whether the following statements are True or False. **5×1 = 05 Marks**

a) A photographic camera is optically not similar to the human eye. false

b) Chromatic aberration D = F1 + F2 ÷ 2. true

c) The equivalent focal length formula is f = 4f/3. false

d) Huygen's Eyepiece is a positive eyepiece. false

e) Compound microscope is used when greater magnification is required. ~~true~~ false

Q. 3 Answer the following question. **5×2=10 Marks**

a) Define Field Stop.

b) Write Huygen's eyepiece of Merits and Demerits.

c) Write any two difference of Ramsden and Huygen's eyepiece.

d) Draw neat and lable diagram of constant Deviation spectrometer.

e) Explain the normal lens and telephoto lens. 02

e →)

→ (i) the normal lens has a large aperture to reduce exposure time, an angular field of view of about 50° and produces an undistorted image.

(ii) a telephoto lens has a long focal length gives a small angle of view and a large image of distant object.

Q. No 3

a) ⟶ ?

⟶ It is also necessary to limit the size of the image if good images are required. for this purpose we use a diaphragm known as the field stop. 02

b ⟶ ?

⟶ merits & Demerits:- 02

① The Huygens' eyepiece is fully free from chromatic aberration because the distance between the lenses is equal to half the sum of their focal lengths.

② spherical aberration is also minimum because the distance between the two lenses is equal to the difference of their focal lengths.

③ the field of view of this eyepiece is smaller than that of Ramsden's eyepiece.

C ⟶ ?

02

⟶ Ramsden Eyepiece

① It is a chromatic for only two chosen colour

② It's power is positive

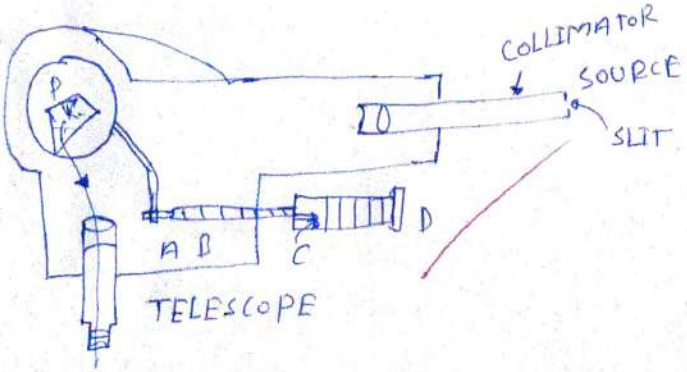
Huygens Eye piece

① It is achromatic for all colours

② It is power is positive

d ⟶ ?

⟶



01

Vimukta Jati Seva Samitee's

Gramin (ACS) Mahavidyalaya, Vasantnagar (Kotgyal)

Tq. Mukhed Dist. Nanded

Department of Physics

Class : B.Sc. F.Y. (sem II) Year 2025-26

Name of the Paper SPHYCT1151:Fundamentals of Physics – II

Open Book Test

Date : 07/01/2026 Time : 02 to 2:30pm

Name of the Student : Sontamble pradip Ramu

Mobile no. : 8261885686

18/20

8/1/26

Note : All questions are compulsory. **Maximum Marks – 20**

Q. 1 Fill in the blanks. **5×1 = 05 Marks**

a) The eye can view objects in the angle range is called field of view

b) Ramsden eyepiece is achromatic for only two chosen colours.

c) An aperture stop is a circular opening in an opaque screen.

d) The size of the retinal image depends upon the visual angle.

e) The telescope that uses a lens as an objective is called a refracting telescope

Q. 2 State whether the following statements are True or False. **5×1 = 05 Marks**

a) A photographic camera is optically not similar to the human eye. false

b) Chromatic aberration D = F1 + F2 + 2. True

c) The equivalent focal length formula is f = 4f/3. False

d) Huygen's Eyepiece is a positive eyepiece. false

e) Compound microscope is used when greater magnification is required. ~~False~~ X

Q. 3 Answer the following question. **5×2=10 Marks**

a) Define Field Stop.

b) Write Huygen's eyepiece of Merits and Demerits.

c) Write any two difference of Ramsden and Huygen's eyepiece.

d) Draw neat and lable diagram of constant Deviation spectrometer.

e) Explain the normal lens and telephoto lens.

02

e) → ?

→ (i) the normal lens has a large aperture to reduce exposure time an angular field of view of about 50° produces an undistorted image

(ii) A telephoto lens has a long focal length gives a small angle of view & a large image of distant objects

Q. 3 ⟶ ?

a) ⟶ ?

⟶ It is also necessary to limit the size of the image if good images are required. for this purpose we use a diaphragm known as the Field stop. 02

b) ⟶ ?

⟶ merits & Demerits :- 02

① the Huygens' eyepiece is fully Free from chromatic aberration because the distance between the lenses is equal to half the sum of their focal lengths

② spherical aberration is also minimum because the distance between the two lenses is equal to the difference of their Focal lengths.

③ the field of view of this eyepiece is smaller than that of Ramsden's eyepiece.

c) ⟶ ? 02

⟶ Ramsden Eyepiece

① It is achromatic for only two chosen Colour

② It's power is positive

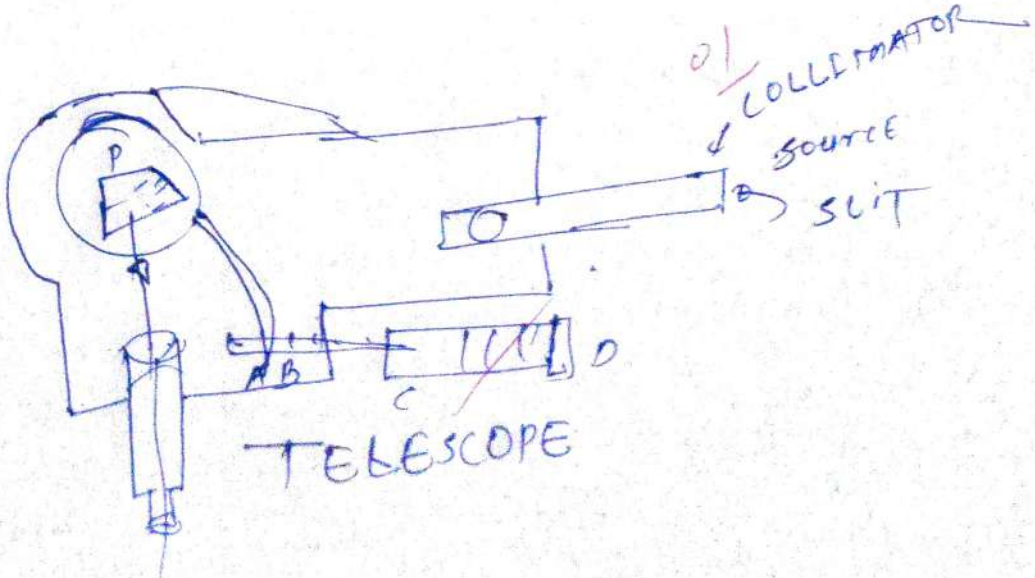
Huygens Eyepiece

① It is achromatic for colours

② It is power is positive

d) ⟶ ? 01

⟶



Vimukta Jati Seva Samitee's

Gramin (ACS) Mahavidyalaya, Vasantnagar (Kotgyal)

Tq. Mukhed Dist. Nanded

Department of Physics

Class : B.Sc. F.Y. (sem II) Year 2025-26

Name of the Paper SPHYCT1151:Fundamentals of Physics – II

Open Book Test

Date : 07/01/2026 Time : 02 to 2:30pm

Name of the Student : Gangasagare sonali Devidas 15/20 8/1/26

Mobile no. : 7709869354

Note : All questions are compulsory. **Maximum Marks – 20**

Q. 1 Fill in the blanks. **5×1 = 05 Marks**

a) The eye can view objects in the angle range is called Field Stop. X

b) Ramsden eyepiece is achromatic for only two chosen colours.

c) An aperture stop is a circular opening in an opaque screen.

d) The size of the retinal image depends upon the visual angle.

e) The telescope that uses a lens as an objective is called a refracting telescope

Q. 2 State whether the following statements are True or False. **5×1 = 05 Marks**

a) A photographic camera is optically not similar to the human eye. → false

b) Chromatic aberration D = F1 + F2 ÷ 2. → true

c) The equivalent focal length formula is f = 4f/3. → false

d) Huygen's Eyepiece is a positive eyepiece. → false

e) Compound microscope is used when greater magnification is required. → false X

Q. 3 Answer the following question. **5×2=10 Marks**

a) Define Field Stop.

b) Write Huygen's eyepiece of Merits and Demerits.

c) Write any two difference of Ramsden and Huygen's eyepiece.

d) Draw neat and lable diagram of constant Deviation spectrometer.

e) Explain the normal lens and telephoto lens.

A) → ?

→ It is also necessary to limit the size of the image if good images are required for this purpose, we use a diaphragm known as the field stop. 02

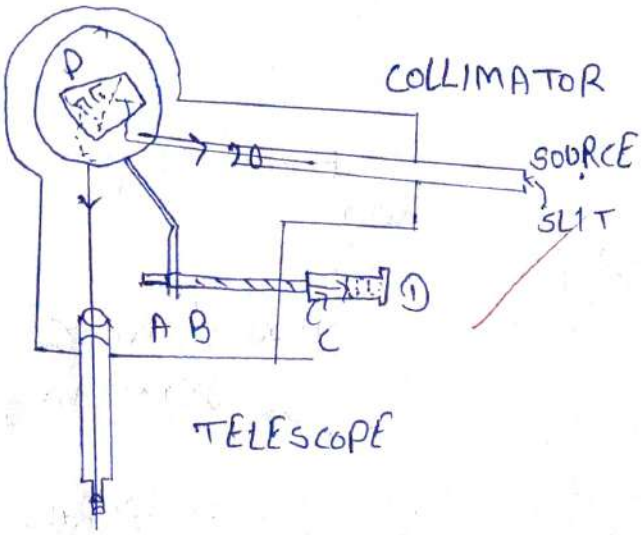
B) → ?

→ Spherical aberration is also minimum because between the two lenses is equal to the difference of their focal lengths. 02

* The field of view of this eyepice is smaller than that of Ramsden's eyepiece.

D) → ?

→



C) → ?

Ramsden Eyepiece	Huygens Eyepiece.
① Its Power is Positive ② The two principal planes are crossed	Its Power is Positive. The two principal planes are crossed

02

Brief Event Report

Title: Open Book Test for B.Sc. First Year Students

Date: 07 January 2026

Organized by: Physics Department

The Physics Department conducted an Open Book Test for B.Sc. First Year (FY) students on 07 January 2026 as an innovative teaching–learning activity. The test was conducted to motivate students to actively engage with reference books and develop good reading habits.

Aim of the Event:

The main aim of the Open Book Test was to encourage students to use reference books, read and understand concepts from standard texts, and apply their knowledge effectively during examinations.

Outcomes of the Program:

The activity helped B.Sc. FY students develop the habit of referring to textbooks and reference materials. Students showed improved understanding of concepts and better analytical skills. The test promoted self-learning, reduced dependence on rote memorization, and enhanced academic confidence among first-year students.

Dr. D.K. Kendre

Principal
Gramin Arts,Comm.& Science
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Tq.Mukhed Dist. Nanded

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