

T

D.M.PUBLIC SCHOOL

PARSIA, PUTKI, DHANBAD

Fortnightly Syllabus Planning (2024-25)

Class: X

Subject: PHYSICS

SI No Duration No. of Teachin g Days Syllabus to be covered 1 5 th April - 15 th April 7 CHAPTER-1 Reflection of light Introduction Definition, Example 2 16 th April - 30 th April 7 Image formation in concave mirror 3 1 st May - 15 th May 7 Image formation in concave mirror 4 16 th June - 30 st June 7 Mirror formula , sign convention & magnification (Revision) 5 1 st July - 9 th July - PRE MID TERM EXAMINATION 6 6 10 th July - 31 th July 14 CHAPTER- 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep 7 Sign convention, lens maker formula , magnification 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION 7 11 2 st Oct - 31 st Oct 7 12 16 th Oct - 31 st Oct 7 13 1 st Nov - 15 th Nov 7 14 16 th Nov - 30 th	New Session begins on 4 th April, 2024						
NoDurationTeachin g DaysSyllabus to be covered15th April - 15th April7CHAPTER-1 Reflection of light Introduction Definition, Example216th April - 30th April7Image formation in concave mirror31th May - 15th May7Image formation in convex mirror416th June - 30th June7Mirror formula , sign convention & magnification (Revision)51th July - 9th July - 9th July14CHAPTER-2 REFRACTION OF LIGHT : INTRO. & LAWS71th Aug - 15th Aug 77Image formation in convex & concave lenses816th Aug - 31th Aug7Image formation in convex & concave lenses91th Sep - 12th Sep7Image formation in convex & concave lenses91th Sep - 12th Sep7CHAPTER-3 Current Electricity112th Oct - MID TERM EXAMINATION1216th Oct - 31th Oct7CHAPTER-3 Current Electricity131th Nov - 15th Nov 77CHAPTER-3 Current Electricity1416th Nov - 30th Nov7Heating effects of electric current	CI		1				
Image g Days 1 5 th April - 15 th April 7 CHAPTER- 1 Reflection of light Introduction Definition, Example 2 16 th April - 30 th April 7 Image formation in concave mirror 3 1 st May - 15 th May 7 Image formation in concex mirror 4 16 th June - 30 st June 7 Mirror formula , sign convention & magnification 6 10 th July - 9 th July 14 CHAPTER- 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep Sign convention, lens maker formula , magnification 10 13 st Sep - 12 th Oct 7 CHAPTER-3 Current Electricity 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Nov 7 Definition & symbols, concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current		Duration	Teachin	Syllabus to be covered			
1 S th April - 15 th April 7 Reflection of light Introduction Definition, Example 2 16 th April - 30 th April 7 Image formation in concave mirror 3 1 st May - 15 th May 7 Image formation in convex mirror 4 16 th June - 30 th June 7 Mirror formula , sign convention & magnification (Revision) 5 1 st July - 9 th July - PRE MID TERM EXAMINATION 14 CHAPTER- 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep 7 Revision 10 13 st Sep - 12 th Oct - MID TERM EXAMINATION 11 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 11 2 st Nov - 15 th Nov 7 Definition & symbols, concepts 13 1 st Nov - 30 th Nov 7 Heating effects of electric current	INO		g Days				
1 S th April - 15 th April 7 Introduction Definition, Example 2 16 th April - 30 th April 7 Image formation in concave mirror 3 1 st May - 15 th May 7 Image formation in concave mirror 4 16 th June - 30 st June 7 Mirror formula , sign convention & magnification (Revision) 5 1 st July - 9 th July - PRE MID TERM EXAMINATION 7 Refraction of LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 7 1 st Aug - 15 th Aug 7 Image formation in convex & concave lenses 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep Sign convention, lens maker formula , magnification 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION 7 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Nov - 15 th Nov 7 Definition & symbols, concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current 14 16 th Nov - 30 th Nov 7 Heating effects of electric current <td></td> <td></td> <td></td> <td>CHAPTER- 1</td>				CHAPTER- 1			
Definition, Example 2 16 th April - 30 th April 7 Image formation in concave mirror 3 1 st May - 15 th May 7 Image formation in convex mirror 4 16 th June - 30 st June 7 Mirror formula , sign convention & magnification 5 1 st July - 9 th July - 9th July - PRE MID TERM EXAMINATION (Revision) 6 10 th July - 31 th July 14 CHAPTER-2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 7 1 st Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep Sign convention, lens maker formula , magnification 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 12 16 th Nov - 15 th Nov 7 13 1 st Nov - 15 th Nov 7 14 16 th Nov - 30 th Nov 7				-			
ExampleExample216th April - 30th April7Image formation in concave mirror31st May - 15th May7Image formation in concave mirror416th June - 30th June7Mirror formula , sign convention & magnification61st July - 9th July - PRE MID TERM EXAMINATION(Revision)61sth July - 31th July14CHAPTER-2 REFRACTION OF LIGHT : INTRO. & LAWS71st Aug - 15th Aug 77816th Aug - 31sth Aug791st Sep - 12th SepSign convention, lens maker formula , magnification1013st Sep - 1th Oct - MID TERM EXAMINATION112st Oct - 15th Oct71216th Oct - 31st Oct7131st Nov - 15th Nov71416th Nov - 30th Nov71416th Nov - 30th Nov7	1	5 th April - 15 th April	7				
2 16 th April – 30 th April 7 Image formation in concave mirror 3 1 st May – 15 th May 7 Image formation in convex mirror 4 16 th June – 30 st June 7 Mirror formula , sign convention & magnification (Revision) 5 1 st July – 9 th July – PRE MID TERM EXAMINATION (Revision) 6 10 th July – 31 th July 14 CHAPTER-2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug – 15 th Aug 7 Image formation in convex & concave lenses 7 1 st Aug – 15 th Aug 7 Image formation in convex & concave lenses 8 16 th Aug – 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep – 12 th Sep 7 Revision 10 13 st Sep – 1 th Oct - MID TERM EXAMINATION 7 CHAPTER-3 Current Electricity 11 2 st Oct – 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Nov – 15 th Nov 7 Definition & symbols , concepts 13 1 st Nov – 15 th Nov 7 Heating effects of electric current							
3 1st May - 15th May 7 Image formation in convex mirror 4 16th June - 30st June 7 Mirror formula , sign convention & magnification (Revision) 5 1st July - 9th July - PRE MID TERM EXAMINATION (Revision) 6 10th July - 31th July 14 CHAPTER - 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1st Aug - 15th Aug 7 Image formation in convex & concave lenses 8 16th Aug - 31st Aug 7 Image formation, lens maker formula , magnification 9 1st Sep - 12th Sep 7 Revision 11 2st Oct - 15th Oct 7 CHAPTER-3 Current Electricity 12 16th Oct - 31st Oct 7 CHAPTER-3 Current Electricity 12 16th Nov - 15th Nov 7 Definition & symbols , concepts 13 1st Nov - 15th Nov 7 Heating effects of electric current		thth	_				
4 16^{th} June -30^{st} June7Mirror formula , sign convention & magnification (Revision)5 $1s^{tt}$ July $-9t^{th}$ July $-PRE MID TERM EXAMINATION(Revision)610^{th} July -31^{th} July14CHAPTER-2REFRACTION OF LIGHT : INTRO. & LAWS71^{st} Aug -15^{th} Aug7816^{th} Aug -31^{st} Aug791^{st} Sep -12^{th} Sep71013^{st} Sep -12^{th} Oct - MID TERM EXAMINATION112^{st} Oct -15^{th} Oct 7CHAPTER-3Current Electricity1216^{th} Nov -15^{th} Nov71416^{th} Nov -30^{th} Nov7$							
4 16 th June – 30 st June Image formation yoght concentration of migginitiation of the symbols of the symbol	3	1 st May – 15 th May					
Image of light of the second secon		a eth a seast a	7	Mirror formula , sign convention & magnification			
5 1 st July - 9 th July - RE MID TERM EXAMINATION 6 10 th July - 31 th July 14 CHAPTER- 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep 7 Revision 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION 8 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current 14 16 th Nov - 30 th Nov 7 Heating effects of electric current	4	16 th June – 30 st June					
6 10 th July – 31 th July 14 CHAPTER- 2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug – 15 th Aug 7 Types of lens & refractive index 8 16 th Aug – 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep – 12 th Sep 7 Revision 10 13 st Sep– 1 th Oct - MID TERM EXAMINATION 7 11 2 st Oct – 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct – 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov – 15 th Nov 7 Heating effects of electric current							
6 14 CHAPTER-2 REFRACTION OF LIGHT : INTRO. & LAWS 7 1st Aug - 15th Aug 7 8 16th Aug - 31st Aug 7 9 1st Sep - 12th Sep 7 7 1st Sep - 12th Sep Sign convention, lens maker formula, magnification 10 13st Sep - 1th Oct - MID TERM EXAMINATION 11 2st Oct - 15th Oct 7 12 16th Oct - 31st Oct 7 13 1st Nov - 15th Nov 7 14 16th Nov - 30th Nov 7	5	1 st July – 9 st July - PRE IV		KAMINATION			
REFRACTION OF LIGHT : INTRO. & LAWS 7 1 st Aug - 15 th Aug 7 8 16 th Aug - 31 st Aug 7 9 1 st Sep - 12 th Sep 7 7 Revision 8 10 13 st Sep - 1t ^h Oct - MID TERM EXAMINATION 7 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current	C	10 th July – 31 th July					
7 1 st Aug - 15 th Aug 7 Types of lens & refractive index 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep 7 Sign convention, lens maker formula , magnification 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION 7 Revision 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current	6		14				
7 1 st Aug - 15 th Aug 7 1 8 16 th Aug - 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep - 12 th Sep 7 Sign convention, lens maker formula , magnification 10 13 st Sep - 1 th Oct - MID TERM EXAMINATION Revision 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Nov - 15 th Nov 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Heating effects of electric current							
8 16 th Aug – 31 st Aug 7 Image formation in convex & concave lenses 9 1 st Sep – 12 th Sep Sign convention, lens maker formula, magnification 10 13 st Sep – 1 th Oct - MID TERM EXAMINATION 11 2 st Oct – 15 th Oct 7 12 16 th Oct – 31 st Oct 7 13 1 st Nov – 15 th Nov 7 14 16 th Nov – 30 th Nov 7	7	1 st Aug – 15 th Aug	7	Types of lens & refractive index			
8 16 th Aug – 31 st Aug Image formation in convex & concave lenses 9 1 st Sep – 12 th Sep Sign convention, lens maker formula, magnification 10 13 st Sep – 1 th Oct - MID TERM EXAMINATION 11 2 st Oct – 15 th Oct 7 12 16 th Oct – 31 st Oct 7 13 1 st Nov – 15 th Nov 7 14 16 th Nov – 30 th Nov 7							
9 1 st Sep - 12 th Sep Sign convention, lens maker formula, magnification 10 13 st Sep-1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 12 16 th Oct - 31 st Oct 7 13 1 st Nov - 15 th Nov 7 7 Heating effects of electric current	0	16 th Aug 21 st Aug	/	Image formation in convey & conceve lances			
9 1 st Sep = 12 st Sep 7 Revision 10 13 st Sep = 1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current	0	10 Aug - 51 Aug		Image formation in convex & concave lenses			
9 1 st Sep = 12 st Sep 7 Revision 10 13 st Sep = 1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current							
9 1 st Sep = 12 st Sep 7 Revision 10 13 st Sep = 1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current				Sign convention, lens maker formula, magnification			
10 13 st Sep-1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current	9	1 st Sep – 12 th Sep		Sign convention, reno maker formata , magnification			
10 13 st Sep-1 th Oct - MID TERM EXAMINATION 11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current			7	Revision			
11 2 st Oct - 15 th Oct 7 CHAPTER-3 Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current	10						
Current Electricity 12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current		•					
12 16 th Oct - 31 st Oct 7 Definition & symbols , concepts 13 1 st Nov - 15 th Nov 7 Ohms law & it's numericals 14 16 th Nov - 30 th Nov 7 Heating effects of electric current	11	2° Oct – 15" Oct		Current Electricity			
7 14 16 th Nov – 30 th Nov 7 Heating effects of electric current	12	16 th Oct – 31 st Oct	7	Definition & symbols , concepts			
7 14 16 th Nov – 30 th Nov 7 Heating effects of electric current							
14 16 th Nov – 30 th Nov 7 Heating effects of electric current	13	1 st Nov – 15 th Nov		Ohms law & it's numericals			
14 16 th Nov – 30 th Nov							
			7	Heating effects of electric current			
	14	16 th Nov – 30 th Nov					
Revision.				Revision.			

15	2 st Dec- 10 th Dec - POST MID TERM EXAMINATION				
16	11 th Dec – 24 st Dec	7	CHAPTER-04 Magnetic effect of electric current introduction		
17	3 st Jan – 15 th Jan	7	Flemings left hand rule & it's numericals ,Thumb rule		
18	16 th Jan – 31 st Jan	7	Principles of motor , AC & DC		
19	1 st Feb – 15 th Feb	7	Revision NCERT Intext and excercise questions		
20	20 th Feb to 8 th March: Annual Examination				

Portion For Assessments

Assessment	Portion
PRE MID TERM (PT 1)	Reflection of light
MID TERM	Reflection of light
	REFRACTION of light
POST MID TERM (PT 2)	Electricity
ANNUAL	Reflection of light REFRACTION of light Electricity Magnetic effect of electric current