CYCLE	Topics
1 (2 - 9)	[Book 1 Heat] 1.1 Temperature
2 (10 - 17)	1.2 Thermometers
3 (18 - 25)	2.1 Internal Energy
4 (28 - 6)	2.2 Heat and energy transfer
5 (7 - 14)	2.3 Heat capacity and specific heat capacity
6 (15 - 22)	Example of Specific heat capacity
7 (23 - 3)	3.1 Latent heat
8 (4 - 13)	3.2 Evaporation
9 (16 - 25)	Example of Latent heat
10 (26 – 7)	4.1 Conduction
12 (16 - 6)	4.2 Convection

NSS F.3 Physics Teaching Syllabus (NSS)(2019-2020)

CYCLE		Topics
14 (15 - 22)	4.3	Radiation
15 (25 - 1)		k 3A Wave Motion] Light Rays
16 (2 - 9)	1.2	The laws of reflection
17 (10 - 26)		Example of law of reflection
18 (1 - 8)	1.3	Images formed by a plane mirror
19 (9 - 16)	2.1	The law of refraction
20 (17 - 24)		Calculation for law of refraction
21 (25 - 1)	2.2	Total internal reflection
22 (12 - 19)		Daily example of total internal reflection
23 (20 - 27)		Calculation for total internal reflection
24 (28 - 6)	3.1	Convex and Concave Lens
25 (7 - 14)	3.2	Images formed by a convex lens
26 (17 - 25)		Ray diagrams
27 (26 - 2)		

CYCLE	Topics
	1.1 Time
1 (2 - 9)	1.2 Distance and Displacement
2	1.3 Speed and velocity
(10 - 17)	1.4 Change in velocity and acceleration
3	2.1 Graphs of straight line Motion
(18 - 25)	2.2 Equation of uniformly accelerated motion
4 (28 - 6)	
(2.3 Free fall motion
5 (7 - 14)	Review and Exercise
	3.1 Introduction to forces
6 (15 - 22)	
	3.2 Inertia and Newton's First Law of Motion
7 (23 - 3)	3.3 Addition and Resolution of Forces
	3.4 Net force and Motion: Newton's Second Law
8 (4 - 13)	
(3.5 Action and reaction: Newton's third law
9 (16 - 25)	
10	3.6 The turning effect of a force
(26 – 7)	
	4.1 Work and Energy
12 (16 - 6)	4.2 Kinetic and Potential Energy

NSS F.4 Physics Teaching Syllabus (NSS)(2019-2020)

14 (15 - 22)4.3 Energy changes15 (25 - 1)4.4 Power16 (2 - 9)5.1 Momentum16 (2 - 9)5.2 Conserving Momentum17 (10 - 26)5.2 Example of Conservation of momentum17 (10 - 26)6.1 Horizontally projected motion18 (1 - 8)6.2 General projectile motion19 (9 - 16)7.1 Introduction to circular motion19 (9 - 16)7.2 Uniform circular motion and centripetal force20 (17 - 24)8.1 Newton's law of Universal Gravitation20 (17 - 24)4.1 The visible spectrum21 (12 - 19)4.2 The Electromagnetic Spectrum23 (20 - 27)5.1 Wave Motion24 (25 - 6)5.2 Wave and particle motion of transverse motion25 (7 - 14)6.2 Reflection and refraction of waves25 (7 - 14)6.2 Reflection and refraction of waves25 (7 - 14)6.2 Reflection and refraction of waves26 (17 - 25)6.4 Interference27 (26 - 2)6.5 Stationary Waves	CYCLE		Topics
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26 (17 - 25) 6.4 27 6.5 Stationary Waves	(7 - 14)		
27 6.5 Stationary Waves			
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		6.5	Stationary Waves

CYCLE	Topics
1	 [Book 3B Wave] 7.1 Wave Nature of Wave 7.2 Young' Double-slit Experiment and the plane transmission grating
2	7.3 Electromagnetic Waves8.1 Longitudinal waves
3	8.2 Wave nature of sound
4	8.3 Properties of sound8.4 Musical notes and noise
5	[Book 4] 1.1 Electric charges
6	1.2 Electric field
7	1.3 Electric potential
8	2.1 Electric current2.2 Electromotive force and potential difference2.3 Resistance
9	2.3 Resistance2.4 Resistors in series and in parallel
10	2.5 Resistance of ammeters, voltmeters and power sources
12	3.1 Electrical power and energy3.2 Mains electricity and household wiring
13	3.2 Mains electricity and household wiring4.1 Magnetic field
14	4.2 Magnetic field of electric currents

NSS F.5 Physics Teaching Syllabus (NSS)(2019-2020)

CYCLE	Topics
15	4.3 Current -carrying conductor in a magnetic field
16	5.1 Current generation in a magnetic field
17	5.2 Generators and other applications of electromagnetic induction
18	6.1 Alternating current
19	6.2 Transformer and high-voltage transmission
20	[Book 2] 6.1Projectile Motion
21	7.1 Circular Motion
22	7.2 Circular Motion
23	8.1 Newton's law of universal gravitation8.2 Gravitational field
24	[Book 1] Chapter 5 Kinetic Theory of Gases
25	Root Mean Speed of Gases

NSS F.6 Pyisics Teaching Syllabus For NSS (2019-2020)

CYCLE		PROGRAMME	
	[Boo	[Book E1]	
1	1.1	The Universe at different scale	
(2 - 9)			
2	2.1	Models of Planetary Motion	
(12 - 20)	2.2	The Dawn of Modern Astronomy	
3	3.1	Understanding Orbital Motions	
(21 - 28)	3.1	Conservation of Energy in Orbital Motions	
4	4.1	Measuring Distance to Stars	
(29 - 7)			
5	4.2	Starlight and the Classification of Stars	
(10 - 17)	4.3	The Doppler Effect of Celestial Bodies	
6	[Boo	ok E2]	
(18 - 28)	1.1	Rutherford's Model and Scattering	
(10 - 20)	Expe	eriment	
	1.2	The puzzling Photoelectric Effect	
7	1.2	Einstein's Interpretation of the Photo-Electric Effect	
(31 - 7)	2.1	Atomic Spectra	
8	2.2	Bohr's Model of the Hydrogen Atom	
(8 - 15)	2.3	Particles or Wave?	
9	3.1	Introduction to Nanotechnology	
(21 - 28)	3.2	Seeing at Nano Scale	
10	3.3	Some Current Applications and	
(29 – 6)		Development of Nanotechnology	