

# APPOLO STUDY CENTRE

**CONTENT AND TOPIC INTEGRATION OF REVISED  
SYLLABUS OF TNPSC CCSE - II (GROUP - I / II & IIA  
SERVICES WITH NEW SAMACHEER TEXT BOOKS  
PHYSICS**



**CONTENT AND TOPIC  
INTEGRATION OF REVISED  
SYLLABUS OF TNPSC CCSE - II  
(GROUP - II / IIA SERVICES)  
WITH NEW SAMACHEER  
TEXT BOOKS**

## **APPOLO STUDY CENTRE**

25, Nandhi Loop Street, West C.I.T. Nagar, Chennai - 600 035.

(Near: T. Nagar Bus Stand, Landmark: Nandhi Statue)

Email: [enquiryatappolo@gmail.com](mailto:enquiryatappolo@gmail.com) [www.appolosupport.com](http://www.appolosupport.com)

Mobile: 9840226187, 9500099706

Ph: 044 - 24339436, 24340364, 42845818, 42867555 / WhatsApp: 7358194439

<b>UNIT-I : GENERAL SCIENCE</b>		
<b>Psychology</b>	Scientific Knowledge and Scientific temper - Power of Reasoning - Rote Learning Vs Conceptual Learning. Source: Appolo Material	
<b>This Topic Covered In Physics, Chemistry, and Biology</b>	Science as a tool to understand the past, Present and future. Source: Appolo Material	
<b>PHYSICS</b>		
<b>Nature of Universe</b>	6 <sup>th</sup> Term (I)	Unit (1) - Universe & Solar System
	9 <sup>th</sup> Full Book	Unit (9) - Universe
	11 <sup>th</sup> Geography	Unit (2) - The Solar System & Earth
<b>General Scientific Laws</b>	6 <sup>th</sup> to 10 <sup>th</sup> Std – Scientific Laws Refer: Arihant GK	
<b>Mechanics &amp; Properties of matter</b>	6 <sup>th</sup> Term (I)	Unit (3) - Matter Around us
	7 <sup>th</sup> Term(I)	Unit (3) - Matter Around us
	8 <sup>th</sup> Term (I)	Unit (4) - Matter
	9 <sup>th</sup> Full Book	Unit (10) - Matter Around us
	11 <sup>th</sup> Physics Volume (II)	Unit (VII) - Properties of Matter
<b>Force, Motion</b>	6 <sup>th</sup> Term (I)	Unit (2) - Force and Motion
	7 <sup>th</sup> Term (I)	Unit (2) - Force and Motion
	8 <sup>th</sup> Term (I)	Unit (2) - Forces & Pressure
	9 <sup>th</sup> Full Book	Unit (2) - Motion
		Unit (3) - Fluid
	10 <sup>th</sup> Full Book	Unit (1) - Laws of Motion
	11 <sup>th</sup> Volume (I)	Unit (2) - Kinematics
		Unit (3) - Laws of Motion
		Unit (5) - Motion of System of Particles & Rigid Bodies
	11 <sup>th</sup> Volume (II)	Unit (6) - Gravitation
Unit (10) - Oscillations		

<b>Electricity &amp; Magnetism</b>	6 <sup>th</sup> Term (II)	Unit (2) - Electricity
	6 <sup>th</sup> Term (III)	Unit (1) - Magnetism
	7 <sup>th</sup> Term (II)	Unit (2) - Electricity
	8 <sup>th</sup> Term (II)	Unit (2) - Electricity
	9 <sup>th</sup> Full Book	Unit (4) - Electric Charge & Electric Current
		Unit (5) - Magnetism & Electromagnetism
	10 <sup>th</sup> Full Book	Unit (4) - Electricity
	11 <sup>th</sup> Volume (I)	Unit (4) - Work, Energy, Power
	12 <sup>th</sup> Volume (I)	Unit (1) - Electrostatics
		Unit (2) - Current Electricity
		Unit (3) - Magnetism & Magnetic Effects of Electric Current
Unit (4) - Electromagnetic Induction & Alternating Current		
Unit (5) - Electromagnetic Waves		
<b>Light &amp; Laser</b>	8 <sup>th</sup> Term (I)	Unit (3) - Light
	9 <sup>th</sup> Full Book	Unit (6) - Light
	10 <sup>th</sup> Full Book	Unit (2) - Optics
	11 <sup>th</sup> Volume (II)	Unit (11) - Waves
	12 <sup>th</sup> Volume (II)	Unit (6) - Optics
<b>Sound</b>	9 <sup>th</sup> Full Book	Unit (8) - Sound
	10 <sup>th</sup> Full Book	Unit (5) - Acoustics
<b>Heat</b>	6 <sup>th</sup> Term (II)	Unit (1) - Heat
	7 <sup>th</sup> Term (II)	Unit (1) - Heat and Temperature
	8 <sup>th</sup> Term (II)	Unit (I) - Heat
	9 <sup>th</sup> Full Book	Unit (7) - Heat

	10 <sup>th</sup> Full Book	Unit (3) - Thermal Physics
	11 <sup>th</sup> Volume (II)	Unit (8) - Heat & Thermodynamics
<b>Nuclear Physics</b>	7 <sup>th</sup> Term (I)	Unit (4) - Atomic Structure
	8 <sup>th</sup> Term (II)	Unit (4) - Atomic Structure
	9 <sup>th</sup> Full Book	Unit (11) - Atomic Structure
	10 <sup>th</sup> Full Book	Unit (6) - Nuclear Physics
	12 <sup>th</sup> Volume (II)	Unit (7) - Dual Nature of Radiation and Matter
		Unit (8) - Atomic and Nuclear Physics
Unit (9) - Semiconductor Electronics		
<b>Electronics &amp; Communication</b>	6 <sup>th</sup> Term (I)	Unit (7) - Computer an Introduction
	7 <sup>th</sup> Term (I)	Unit (7) - Visual Communication
	8 <sup>th</sup> Term (I)	Unit (9) - Introduction to The Information Age
	9 <sup>th</sup> Full Book	Unit (25) - Computer an Introduction
		Unit (26) - Parts of Computer
		Unit (27) - Hard Ware and Soft Ware
	12 <sup>th</sup> Volume (II)	Unit (10) - Communication Systems
	Unit (11) - Recent Developments in Physics	