



**SIVARAJAVEL IAS ACADEMY**

AN IDEAL INSTITUTE FOR **CIVIL SERVICE EXAMS**

**PRE-CAST**

**TEST SERIES**

**MOULDING**

**YOUR SUCCESS**



**UPSC CSE 2024**

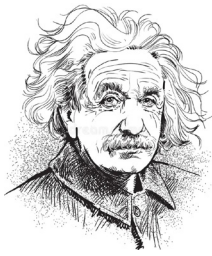
**PRELIMS**

**TEST SERIES**

**44**

**TESTS**

**(11 CSAT INCLUDED)**



“IN **THEORY**, THEORY AND PRACTICE ARE THE SAME. IN **PRACTICE**, THEY ARE NOT.

-ALBERT EINSTEIN



## LEVEL 1

Questions are sourced from recommended standard books and relevant current events of importance. In addition to testing your basic understanding, this level tests your ability to correlate concepts, make guesses and take informed decisions in your answering.

TEST  
01

DATE : 26.11.2023

POLITY - 1

### ABOUT THE CONSTITUTION

Making and Historical Background of the Constitution  
Salient Features  
Preamble

### PART I & II

Union and its Territory; Citizenship

### PART III – FUNDAMENTAL RIGHTS

Intro to FR; Article 12&13; Amendment; Basic Structure  
Fundamental Rights

### PART IV AND PART IVA

DPSP  
Fundamental Duties

### SYSTEM OF GOVERNMENT

Parliamentary System and Federalism  
Centre State Relations  
Inter-State relations  
Emergency

### EXECUTIVE

Union Executive  
State Executive

### LEGISLATURE

Union Legislature  
State Legislature

### SOURCE

Laxmikanth 7th Edition – Relevant Chapters

### CURRENT AFFAIRS

#### Events from August 2023 on the following themes

Polity & Governance  
International Relations  
Society and Social Justice  
Economic Development and Agriculture

#### Your Reference Source

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
02

DATE : 03.12.2023

POLITY - 2

### JUDICATURE

Supreme Court  
High Court  
Lower Courts & Tribunals

### LOCAL GOVERNMENT

Panchayati Raj  
ULBs

### UTS AND SPECIAL AREAS

Union Territories  
Fifth Schedule  
Sixth Schedule

### CONSTITUTIONAL BODIES

ECI; UPSC; State PSC; FC; GST; NCSC;  
NCST; NCBC; Linguistic Minorities

### NON-CONSTITUTIONAL BODIES

NITI Aayog; NHRC; CBI; CVC; CIC;  
Lokpal; NIA; NDMA

### OTHER CONSTITUTIONAL DIMENSIONS

Cooperative Societies; Official  
Languages; Public Services etc

### ELECTION AND OTHER POLITICAL DYNAMICS

Party system  
Election system  
RPA 1950 & 1951  
Tenth Schedule  
Election Reforms

### SOURCE

Laxmikanth 7th  
Edition – Relevant  
Chapters

### CURRENT AFFAIRS

#### Events from September 2023 on the following themes

Polity & Governance | International Relations |  
Society and Social Justice | Economic Development and Agriculture

#### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
03

DATE : 10.12.2023

## HISTORY - 1

### ANCIENT INDIA

Gupta Age  
Harsha and his times  
Pallava and Chalukyas

### MEDIEVAL INDIA

Mughals  
Bhakthi & Sufism  
Religious Philosophy

### MODERN INDIA

Events from 1857 to 1917

### ART AND CULTURE

Temple Architecture  
Indo-Islamic Architecture

### SOURCE

Themes in Indian History – Part 1, 2 and 3 | Old NCERT 11th and 12th Standard | Introduction to Indian Arts – 11th Standard | Ancient & Medieval India by Poonam Dalal Dahiya | Modern India by Sonali Bansal & Snehil Tripathi

### CURRENT AFFAIRS

#### Events from September 2023 on the following themes

Geography & Mapping | Environment & Biodiversity  
Science & Technology | Security | History, Art, Heritage & Culture

#### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
04

DATE : 17.12.2023

## HISTORY - 2

### ANCIENT INDIA

IVC  
Vedic Literature  
Jainism and Buddhism  
Ancient Science and Technology  
Ancient literatures  
Trade and Commerce - Key terms  
Special focus on ancient kingdoms

### MEDIEVAL INDIA

Key terms  
Special facts  
Ports  
Departments of Medieval Kingdoms  
Foreign Travellers

### MODERN INDIA

Events from 1917 to 1948  
Indian National Movement

### SOURCE

Ancient & Medieval India by Poonam Dalal Dahiya  
Modern India by Sonali Bansal & Snehil Tripathi

### CURRENT AFFAIRS

#### Events from October 2023 on the following themes

Polity & Governance  
International Relations  
Society and Social Justice  
Economic Development and Agriculture

#### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
05

DATE : 24.12.2023

## GEOGRAPHY - 1

### PHYSICAL GEOGRAPHY

Origin and Evolution of the Universe,  
Solar System and the Earth  
Geomorphology

### ECONOMIC GEOGRAPHY

Mineral resources  
Industries  
Agricultural Patterns of the India and the World

### MAPPING

World Map – Rivers, Mountains, Water Bodies, Resources  
Places in News

### SOURCE

PMF IAS Physical Geography  
Goh Cheng Leong: Certificate Physical & Human Geography

### CURRENT AFFAIRS

#### Events from October 2023 on the following themes

Geography & Mapping  
Environment & Biodiversity  
Science & Technology  
Security  
History, Art, Heritage & Culture

#### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**PHYSICAL GEOGRAPHY**

Climatology  
Oceanography

**HUMAN GEOGRAPHY**

Population, Migration &  
Settlements  
Human Development  
Activities  
Transport & Communication

**MAPPING**

India Map – Rivers,  
Mountains, Water Bodies,  
Resources  
Places in News

**SOURCE**

NCERT 12th Standard – Fundamentals of Human Geography | PMF IAS Physical Geography  
Goh Cheng Leong: Certificate Physical & Human Geography

**CURRENT AFFAIRS****Events from November 2023 on the following themes**

Geography & Mapping | Environment & Biodiversity  
Science & Technology | Security, History, Art, Heritage & Culture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**NATIONAL INCOME****ACCOUNTING**

Concepts - GDP, GNP, Market  
Price and Factor Cost, NNP,  
NDP, transfer payments,  
National income at FC,  
Personal Income, disposable  
income

**MEASUREMENT OF  
NATIONAL INCOME**

Value added method, income  
method, expenditure method  
Application of various  
methods, Base year, GDP  
deflator  
Debates around GDP and  
other indices

**MONEY AND BANKING**

Money - Definition, Functions  
and significance,  
Evolution of Money  
Money supply in India and  
factors affecting it.

**INFLATION**

Definition, Inflationary Gap  
and Inflationary Process,  
Inflation Cycles: Demand Pull  
Inflation, Cost Push Inflation,  
Causes of Inflation,  
Inflation Control measures  
Monetary Policy/ Functions  
of RBI: CRR, SLR, OMO, Repo  
and Rev Repo, MSF etc.  
Financial Markets  
Capital Market; Money  
Market; Insurance, Pension

**FINANCIAL MARKETS**

Capital Market; Money Market;  
Insurance, Pension etc

**BANKING AND FINANCIAL  
SYSTEM**

Banks, NBFC, NPA's  
Basel Norms

**SOURCE**

Indian Economy: Indian Economy by Vivek Singh/ Nitin Singhania or Ramesh Singh.  
Our Catalyst Monthly Magazine | Any other Current Affairs Magazine of your choice

**CURRENT AFFAIRS****Events from November 2023 on the following themes**

Polity & Governance | International Relations |  
Society and Social Justice | Economic Development and Agriculture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**PUBLIC FINANCE**

Tax, Budgeting (All Related Issues)

**EXTERNAL SECTOR**

BoP, BoT, International trade, IMF, WTO, Trade policies, issues and challenges etc

**BALANCE OF PAYMENTS**

Definition, Current and Capital Accounts, Convertibility, Items Included in BoP, BoP and BoT.

**INDUSTRIAL POLICY**

Manufacturing and Services; Population, Demographic Dividend, and Sustainable Development.

**AGRICULTURE AND FOOD MANAGEMENT**

Reforms, Food security, Schemes WTO Issues

**SOURCE**

NCERT 11th Standard - Indian Economy  
Indian Economy: Vivek Singh/ Nitin Singhania or Ramesh Singh

**CURRENT AFFAIRS****Events from December 2023 on the following themes**

Polity & Governance | International Relations | Society and Social Justice | Economic Development and Agriculture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**BIODIVERSITY**

Protected Area Network - National parks, Wildlife sanctuaries, Biosphere reserves, Reserved and protected forests, Conservation and community reserves, Village and Panchayat Forests, Private protected areas, Marine Protected Areas  
Indian Biodiversity and conservation efforts - Project Tiger, Elephant, Vulture, Turtle, Hangul, Ganges Dolphin etc  
Bioremediation, Bioprospecting, Biosafety, Biopiracy, Environmental Monitoring and Impact Assessment

**POLLUTION**

Environmental Pollution and its different types – acid rain, smog, eutrophication  
Heavy metal pollution, ground water depletion and pollution  
Persistent Organic Pollutants  
Solid and Liquid Waste Management – BOD, Waste to Energy Plants, Biogas, bio methanation, Pyrolysis, etc

**AGRICULTURE**

Cropping System and Pattern Farming System  
Modern Farming Systems – Organic Farming, Climate Smart Agriculture, Conservation Agriculture, Direct Seeding of Rice, Miyawaki method etc  
Soil Science  
Issues and pollution emanating from Agriculture – excessive use of fertilizers, stubble burning, etc

**SOURCE**

NCERT 12th Standard - Biology (Relevant Chapters) | NCERT 11th Standard - Chemistry (Part II) - Chapter 14  
Sivrajavel IAS Environment Book (Relevant Chapters) | Relevant Current Affairs on the topics given

**CURRENT AFFAIRS****Events from December 2023 on the following themes**

Geography & Mapping | Environment & Biodiversity  
Science & Technology | Security | History, Art, Heritage & Culture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**INDIAN ENVIRONMENTAL  
LEGISLATIONS**

Wildlife Protection Act, 1972  
 Environmental Protection Act, 1986  
 Forest Conservation Act, 1980  
 The Scheduled Tribes and Other  
 Traditional Forest Dwellers (Recognition  
 of Forest Rights) Act, 2006  
 The Indian Forest Act, 1927  
 The National Green Tribunal Act, 2010

**MAJOR THEMES**

Air pollution, its status and measures taken  
 – BSVI, National Clean Air Programme,  
 NAQI, PUSA decomposers, etc  
 Water – overexploitation, pollution,  
 industries associated, sewage water  
 treatment, etc  
 Soil pollution – industrial and agricultural  
 chemicals, etc

**INTERNATIONAL CONVENTIONS,  
AGREEMENTS AND INITIATIVES**

All these topics should be covered with a  
 special reference to India – their origin,  
 CoP, recent developments should be  
 given a special emphasis  
 UNFCC  
 Montreal Protocol  
 UN Convention on Biological Diversity  
 and its Protocols  
 UN Convention to Combat Desertification  
 Minamata Convention  
 Stockholm Convention  
 And other relevant international  
 agreements and initiatives

**SOURCE**

Sivarajavel IAS Environment Book (Relevant Chapters) | Relevant Current Affairs on the topics given

**CURRENT AFFAIRS****Events from January 2024 on the following themes**

Geography & Mapping | Environment & Biodiversity  
 Science & Technology | Security | History, Art, Heritage & Culture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice

**ARITHMETIC ABILITY**

Basic Numeracy  
 Data Interpretation  
 Reasoning Ability

**GENERAL MENTAL  
ABILITY**

Logical Reasoning &  
 Analytical Ability  
 Decision-Making and  
 Problem Solving

**COMPREHENSION**

Basic  
 Comprehension  
 Interpersonal Skills  
 including  
 communication  
 skills

**SOURCE**

**This Test will try to evaluate your basic understanding of the concepts you have learnt. The questions will be easily approachable.**

Notes from Class Any standard textbooks for quantitative aptitude

**BIOTECHNOLOGY AND  
ITS APPLICATIONS**

Genetic engineering,  
 gene therapy, cloning,  
 GM crops, etc  
 Vaccine technology and  
 basics of immunity  
 Recent innovations

**SPACE TECHNOLOGY**

Space vehicles and  
 missions of India  
 Space Missions of other  
 agencies

**INFORMATION  
TECHNOLOGY**

Recent innovations of  
 everyday importance such  
 as cloud computing, AI,  
 IoT, Machine Learning, 5G,  
 bluetooth, etc

**NUCLEAR TECHNOLOGY**

Basics of nuclear science  
 Nuclear reserves of India,  
 nuclear reactors  
 Three stage nuclear  
 programme of India  
 Nuclear fusion technology

**OTHER HIGH  
TECHNOLOGY  
AREAS**

Superconductivity  
 Supercomputers  
 Quantum physics

**SOURCE**

Focus on understanding the basic concepts rather than facts  
 Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice

**CURRENT AFFAIRS****Events from January 2024 on  
the following themes**

Polity & Governance | International Relations  
 Society and Social Justice | Economic  
 Development and Agriculture

**Your Reference Source**

Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice



## LEVEL 2



In this level, questions will attempt to assess your comprehensive understanding of each subject. It also provides an opportunity to revise, fill the gaps and strengthen the concepts in each subject. The questions will adopt a graded approach with a rational mix of approachable, interpretative and difficult questions. This level will help to elevate your educated guess works simulating that of UPSC Preliminary examination.

TEST  
13

DATE : 18.02.2024

POLITY

Entire Prelims syllabus for the subject is covered

### SOURCE

Laxmikanth 7th Edition

### CURRENT AFFAIRS

#### Themes from April 2023 to Feb 2024 in the areas of

Polity & institutions | Governance & initiatives | International Relations

India Yearbook Chapters  
Polity | India and the World | Justice and Law

### Your Reference Source

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
14

DATE : 24.02.2024

CSAT - 2

### ARITHMETIC ABILITY

Basic Numeracy  
Data Interpretation  
Reasoning Ability

### GENERAL MENTAL ABILITY

Logical Reasoning & Analytical Ability  
Decision-Making and Problem Solving

### COMPREHENSION

Basic Comprehension  
Interpersonal Skills including communication skills

### SOURCE

This Test will try to evaluate basic understanding as well as time management and quick thinking.

The questions will be in moderate difficulty.

Notes from Class

Any standard textbooks for quantitative aptitude

TEST  
15

DATE : 25.02.2024

ECONOMY

### CURRENT AFFAIRS

Entire Prelims syllabus for the subject is covered

### SOURCE

Indian Economy: Vivek Singh/ Nitin Singhania or Ramesh Singh

#### Themes from April 2023 to Feb 2024 in the areas of

Economic Development  
Agriculture  
Infrastructure

#### India Yearbook Chapters

Finance  
Commerce and Industry

### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice  
India Yearbook

TEST  
16

DATE : 03.03.2024

HISTORY

Entire Prelims syllabus for the subject is covered

### SOURCE

Ancient India by R.S. Sharma  
Medieval India by Satish Chandra  
Modern India by Bipin Chandra and Spectrum Publications

### CURRENT AFFAIRS

#### Themes from April 2023 to Feb 2024 in the areas of

History related developments and events | Art, architecture and culture  
Tribes related news | Excavation sites of archaeological importance  
Culture and Tourism Chapter from India Year Book

### YOUR REFERENCE SOURCE

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice  
India Year Book 2024

TEST  
17

DATE : 09.03.2024

CSAT - 3

**ARITHMETIC ABILITY**

Basic Numeracy  
Data Interpretation  
Reasoning Ability

**GENERAL MENTAL ABILITY**

Logical Reasoning & Analytical  
Ability  
Decision-Making and Problem  
Solving

**Comprehension**

Basic Comprehension  
Interpersonal Skills including  
communication skills

**SOURCE**

**This Test will try to evaluate basic understanding as well as time management and quick thinking. The questions will be in moderate difficulty.**

Notes from Class  
Any standard textbooks for  
quantitative aptitude

TEST  
18

DATE : 10.03.2024

GEOGRAPHY

Entire Prelims syllabus for the  
subject is covered

**SOURCE**

PMF IAS Physical Geography  
Goh Cheng Leong: Certificate  
Physical & Human Geography

**CURRENT AFFAIRS**

**Themes from April 2023 to Feb  
2024 in the areas of**

Places of national and international  
importance in news  
Major conflicts and its geography  
Any recent scientific developments  
in the field

**India Yearbook Chapters**

Land and People  
Water Resource

**Your Reference Source**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

TEST  
19

DATE : 17.03.2024

ENVIRONMENT

**CURRENT AFFAIRS**

**Themes from April 2023 to  
Feb 2024 in the areas of**  
Indian environmental scenario  
International agreements,  
conventions and initiatives

**India Yearbook  
Chapters**

Environment  
Energy

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice  
India Year Book 2024

Entire Prelims syllabus for  
the subject is covered

**SOURCE**

Sivarajavel IAS Environment  
Book (Relevant Chapters)  
Relevant Current Affairs on  
the topics given

TEST  
20

DATE : 23.03.2024

CSAT - 4

**ARITHMETIC ABILITY**

Basic Numeracy  
Data Interpretation  
Reasoning Ability

**GENERAL MENTAL ABILITY**

Logical Reasoning &  
Analytical Ability  
Decision-Making and  
Problem Solving

**COMPREHENSION**

Basic Comprehension  
Interpersonal Skills  
including communication  
skills

**SOURCE**

**This Test will try to evaluate basic understanding as well as time management and quick thinking.**

**The questions will be in moderate difficulty level.**

Notes from Class  
Any standard textbooks for quantitative aptitude

TEST  
21

**ECONOMIC SURVEY  
AND BUDGET**

**ECONOMIC SURVEY 2024  
UNION BUDGET 2024**







## LEVEL 3

### Simulation Tests

This is designed to give a UPSC feel and practice to face the real task in the examination. The Questions are designed that requires aspirants to test their strategies, approaches and fine tune their final steps to their success in the UPSC Preliminary examination

<b>TEST -22</b>	30-03-2024	CSAT	COMPLETE CSAT SYLLABUS	
<b>TEST -23</b>	31-03-2024	SIMULATION TEST - 1	COMPLETE GENERAL STUDIES SYLLABUS	
<b>TEST -24</b>	06-04-2024	CSAT	COMPLETE CSAT SYLLABUS	
<b>TEST -25</b>	07-04-2024	SIMULATION TEST - 2	COMPLETE GENERAL STUDIES SYLLABUS	
<b>TEST -26</b>	13-04-2024	CSAT	COMPLETE CSAT SYLLABUS	
<b>TEST -27</b>	14-04-2024	SIMULATION TEST - 3	COMPLETE GENERAL STUDIES SYLLABUS	
<b>TEST -28</b>	20-04-2024	CSAT	COMPLETE CSAT SYLLABUS	
<b>TEST -29</b>	21-04-2024	SIMULATION TEST - 3	COMPLETE GENERAL STUDIES SYLLABUS	
<b>TEST -30</b>	27-04-2024 / 28-04-2024	ALL INDIA MOCK TEST - 1	Forenoon (9:30 - 11:30 am)	GS Paper - I
<b>TEST -31</b>	27-04-2024 / 28-04-2024		Afternoon (2:30 - 4:30 pm)	GS Paper - II
<b>TEST -32</b>	04-05-2024 / 05-05-2024	ALL INDIA MOCK TEST - 2	Forenoon (9:30 - 11:30 am)	GS Paper - I
<b>TEST -33</b>	04-05-2024 / 05-05-2024		Afternoon (2:30 - 4:30 pm)	GS Paper - II
<b>TEST -34</b>	11-05-2024 / 12-05-2024	ALL INDIA MOCK TEST - 3	Forenoon (9:30 - 11:30 am)	GS Paper - I
<b>TEST -35</b>	11-05-2024 / 12-05-2024		Afternoon (2:30 - 4:30 pm)	GS Paper - II



# ONLINE - NCERT TESTS

Can be scheduled by students at their convenient time.

TEST  
01

## POLITY - 1

### INDIAN CONSTITUTION AT WORK

Constitution: Why and How?	Judiciary
Rights in the Indian Constitution	Federalism
Election and Representation	Local Governments
Executive	Constitution as a Living Document
Legislature	The Philosophy of the Constitution

### POLITICAL THEORY

Freedom  
Equality  
Rights  
Citizenship  
Secularism

### **SOURCE**

NCERT 11th Standard – Indian Constitution at Work | NCERT 11th Standard – Political Theory

### **CURRENT AFFAIRS**

#### **Events from April 2023 on the following themes**

Polity & Governance | International Relations | Society and Social Justice | Economic Development and Agriculture

### **YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine | Any other Current Affairs Magazine of your choice

TEST  
02

## POLITY - 2

### ABOUT THE CONSTITUTION

Historical Background  
Making of the Constitution  
Salient Features; Preamble

### PART I & II

Union and its Territory; Citizenship

### PART III – FUNDAMENTAL RIGHTS

Intro to FR; Article 12&13;  
Right to Equality (14-18)  
Right to Freedom (19-22)  
Right against Exploitation (23-24);  
Right to freedom of Religion (25-28)  
Cultural & Educational Rights (29-30);  
Right to Remedies (32)  
Article 31A, 31B, 31C, 31D; Articles 33-35  
Amendment; Basic Structure

### PART IV AND PART IVA

DPSP  
Fundamental Duties

### **SOURCE**

Laxmikanth 7th Edition – Relevant Chapters

### **CURRENT AFFAIRS**

#### **Events from April 2023 on the following themes**

Geography & Mapping | Environment & Biodiversity | Science & Technology | Security | History | Art | Heritage & Culture

### **YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine | Any other Current Affairs Magazine of your choice

Types of Unemployment - Structural, Seasonal, Frictional, Cyclical  
Nature of Unemployment in India  
Poverty/ Inequality: Estimation, Index, MPI etc

Economic Planning  
LPG reforms  
Rural Development  
Economic History etc which are incidental to chapters of NCERT

**SOURCE**

Indian Economy by Vivek Singh/ Nitin Singhania or Ramesh Singh. | NCERT 11th Standard - Economics: Indian Economic Development, | NCERT 11th Standard Macro Economics (Selective Chapters - No Microeconomics)  
| News Paper, The Catalyst Magazine/ Any current affairs Magazine

**CURRENT AFFAIRS****Events from May 2023 on the following themes**

Polity & Governance | International Relations | Society and Social Justice | Economic Development and Agriculture

**YOUR REFERENCE SOURCE**

Our Catalyst Monthly Magazine | Any other Current Affairs Magazine of your choice

**BASIC ECOLOGY**

Concepts – Ecosystem, Biome, Biosphere, Habitat, Niche, Ecotone, competition exclusion  
Ecological Succession  
Speciation & Extinction  
Structure of an Ecosystem – Stratification  
Functions of an Ecosystem – Productivity, Decomposition, Nutrient Cycles & Energy Flow  
Ecological Pyramids  
Biotic and Abiotic Factors – role & how it influences living organisms

**BIODIVERSITY**

Basic concept  
Types with examples  
Types of biodiversity conservation  
Threats to biodiversity – Invasive Alien Species

**POLLUTION**

Types and sources – point and nonpoint sources, fugitive emissions  
Major types of land, water and air pollution – acid rain, smog, eutrophication, marine plastics, etc

**BIODIVERSITY**

Energy Basket of India  
Status and initiatives to renewable energy in India – solar, wind, geothermal, biomass, tidal  
Issues and related aspects

**SOURCE**

NCERT 12th Standard - Biology (Relevant Chapters) | NCERT 11th Standard - Chemistry (Part II) - Chapter 14  
Sivarajavel IAS Environment Book (Relevant Chapters)

**CURRENT AFFAIRS****Events from May 2023 on the following themes**

Geography & Mapping  
Environment & Biodiversity  
Science & Technology  
Security  
History, Art, Heritage & Culture

**Your Reference Source**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**CONTEMPORARY INDIA**

India – Size and Location  
 Physical Features of India  
 Drainage & Water Resources  
 Climate  
 Natural Vegetation and Wildlife  
 Population, Migration & Human Development  
 Resource and Development  
 Agriculture  
 Mineral & Energy Resources  
 Manufacturing Industries  
 Land Resources  
 Human Settlements  
 Transport & Communication

**SOURCE**

NCERT 9th Standard – Contemporary India – I  
 NCERT 9th Standard – Contemporary India - II  
 NCERT 12th Standard – People & Economy

**CURRENT AFFAIRS****Events from June 2023 on the following themes**

Geography & Mapping  
 Environment & Biodiversity  
 Science & Technology  
 Security  
 History, Art, Heritage & Culture

**Your Reference Source**

Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice

**FUNDAMENTALS OF PHYSICAL GEOGRAPHY**

The Earth  
 Landforms  
 Climate  
 Oceans  
 Life on Earth

**FUNDAMENTALS OF PHYSICAL GEOGRAPHY**

Location  
 Physiography  
 Climate, Vegetation and Soil  
 Natural Hazards and Disasters

**SOURCE**

NCERT 11th Standard – Fundamentals of  
 Physical Geography  
 NCERT 11th Standard – India Physical  
 Environment

**CURRENT AFFAIRS****Events from June 2023 on the following themes**

Polity & Governance  
 International Relations  
 Society and Social Justice  
 Economic Development and Agriculture

**Your Reference Source**

Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice

**ANCIENT INDIA**

Pre-History  
 IVC  
 Aryans  
 Buddhism

Jainism  
 Magadha Kingdom  
 Mauryan Kingdom

**MEDIEVAL INDIA**

Tripartite Struggle  
 Rashtrakutas  
 Cholas  
 Delhi Sultanate

**MODERN INDIA**

Advent of Europeans  
 British Expansion  
 Regulating Acts  
 Charter Acts (1757-1813)

**SOURCE**

New NCERT | 6th Standard | 7th Standard | 8th Standard | Themes in Indian History – Part 1, 2 and 3  
 Old NCERT 11th and 12th Standard

**CURRENT AFFAIRS****Events from July 2023 on the following themes**

Polity & Governance  
 International Relations  
 Society and Social Justice  
 Economic Development and Agriculture

**Your Reference Source**

Our Catalyst Monthly Magazine  
 Any other Current Affairs Magazine of your choice

**ANCIENT INDIA**

Post Mauryan Period  
Sangam Age

**MEDIEVAL INDIA**

Bhakti and Sufi Movements  
Mughal Dynasty  
Vijayanagar Empire

**MODERN INDIA**

Tribal Revolts  
Peasant Revolts  
Socio-religious  
Movements (1813 – 1857)

**ART AND CULTURE**

Paintings  
Classical Dance  
Carnatic and Hindustani  
Music

**SOURCE**

New NCERT | 6th Standard | 7th Standard | 8th Standard | Themes in Indian History – Part 1, 2 and 3  
Old NCERT 11th and 12th Standard | Introduction to Indian Arts – 11th Standard

**CURRENT AFFAIRS****Events from July 2023 on the following themes**

Geography & Mapping  
Environment & Biodiversity  
Science & Technology  
Security  
History, Art, Heritage & Culture

**Your Reference Source**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

**BASIC SCIENCE AND TECHNOLOGY (FROM APPLIED TECHNOLOGY PERSPECTIVES)**

Optics  
Atomic and Nuclear physics  
Modern Physics  
Astronomy and Space Science  
Nanotechnology  
Agricultural Chemistry  
Medicinal Chemistry  
Food Chemistry  
Biochemistry – only basics like respiration,  
fermentation, ATP, etc

Polymers and Plastics – PVC, Teflon, etc  
Cell Biology  
Life processes  
Diseases – nutritional, infectious & genetic  
Nutrition  
Origin and Evolution of life  
Genetics  
Plant Biology

**SOURCE**

New NCERT Science | 6th Standard | 7th Standard | 8th Standard | 9th Standard | 10th Standard  
12th Standard Biology | (Relevant chapters according to the syllabus given)

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**Your Reference Source**

Our Catalyst Monthly Magazine  
Any other Current Affairs Magazine of your choice

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No.97, AF Block, Shanthi Colony,  
12<sup>th</sup> Main Road, Anna Nagar West,  
Chennai – 600 040.

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