

NDA/CDS

LECTURE PLAN 2026-27

Mathematics

Arithmetic

S.No.	TOPICS	Classes
1	Number System	16
2	HCF & LCM	
3	Logarithms	
4	Fundamental Operations	
5	Number System	
6	HCF & LCM	

Algebra

1	Boolean algebra	10
2	Series	
3	Linear Equations	
4	Linear Equations	
5	Quadratic equations	
6	Set Theory	
7	Relations & Functions	
8	Complex Number	
9	Permutation and combination	

Trigonometry

1	Angles and their Measures in degrees and in radians	10
2	Trigonometrical Ratios	
3	Inverse Trigonometric Functions	
4	Properties of Triangles	

Geometry

1	2-D Geometry	10
2	3-D Geometry	

Mensuration		
1	Areas of squares, rectangles, parallelograms, triangles and circles etc.	6
2	Surface area and volume of cuboids, lateral surface and volume of right circular cones and cylinders etc.	
Statistics & Probability		
1	Collection and tabulation of statistical data	10
2	Graphical representation frequency polygons, histograms, bar charts, pie charts etc.	
3	Measures of central tendency.	
Matrices & Determinants (NDA)		
1	Types of Matrices	3
2	Operations on Matrices	
3	Determinant of a Matrix	
4	Basic property of Determinants	
Vector Algebra		
1	Vectors in 2 and 3 dimensions	5
2	Magnitude and direction of a vector	
3	Applications	
Calculus		
1	Differential Calculus	10
2	Integral Calculus	

ENGLISH		
1	Tenses, SVA, Articles, Prepositions	7
2	Sentence Correction	3
3	Cloze Tests, Fill in the blanks	3
4	Vocabulary, Synonyms/Antonyms	6
5	Idioms, Active/Passive, Narration	6
6	Reading Comprehension	5
7	Para Jumbles, Logical Flow	3
TOTAL		33
GK (Science)		
PHYSICS		
1	Unit & Dimensions	20
2	Motion in 1-D & 2-D	
3	Newton's Law of Motion & Friction	
4	Work, Energy & Power	
5	Circular Motion & COM	
6	Rotational Motion	
7	Gravitation	
8	Thermal Physics	
9	Oscillation & Wave	
10	Electrostatics	
11	Current electricity	
12	Magnetism	

13	Ray and wave optics	
14	Photoelectric effect	
15	Nuclear Physics & Radio activity	
16	Atomic Structure & X-Ray	
17	Semiconductor & electronics	
18	Communication System	
Chemistry		
1	Physical and Chemical changes	10
2	Elements, Mixtures & Compounds	
3	Chemical Properties of Air & water	
4	Preparation & properties of H_2 , N_2 , O_2 & CO_2	
5	Acids, Bases & Salts	
6	Carbon & its different forms	
7	Fertilizers (Natural and Artificial)	
8	Atomic equivalent, Molecular weight & Valency	
GENERAL SCIENCE		
1	Basis of life(cells,protoplasm and tissues)	12
2	Growth and reproduction in plants	
3	Growth and reproduction in animals	
4	Human body and its imp. Organs	
5	Food sources of energy for Human	
6	Constituents of food	
7	Achievements of Eminent Scientists	

8	Common Epidemics	
9	Solar System	
10	Development in the Field of Science and Technology- Space Technology, Bio Technology and Computer Technology	
HISTORY		
1	Ancient India	25
2	Medieval India	
3	Indian culture and civilisation	
4	Freedom movement in India	
5	Five year plans of India, Panchayti Raj	
6	Co-operative and community development	
7	About Mahatma Gandhi	
8	World History	
Indian Polity and Governance		
1	Constitution of India	15
2	political system	
3	Panchayati Raj	
4	Public Policy	
5	Rights Issues etc.	
GEOGRAPHY		
(SECTION- A) PHYSICAL GEOGRAPHY		
1	Shape & size of the earth	
2	Lattitudes & Longitudes	

3	Concept of time & Date line	25
4	Moments of the earth and their effects	
(SECTION- B) REGIONAL GEOGRAPHY		
1	Natural region of world	
2	Weathering(Mechanical, Chemical)	
3	Earthquakes & Volcanos	
4	Cyclones & Anti-cyclones	
5	Minerals and power resources	
6	Important sea and ports	
7	Main sea, Land and air roots of India	
(SECTION- C) OCEANOLOGY		
1	Ocean Currents and tides	
(SECTION- D) CLIMATOLOGY		
1	Atmosphere and its composition	
2	Humidity, Condensation & precipitation	
3	Types of climate	
4	Climate and natural vegetation in India	
Economics and Social Development		
1	Sustainable Development	10
2	Poverty, Inclusion	
3	Demographics	
4	Social Sector Initiatives	
5	Union Budget and Economics Survey etc.	

Current Affairs		
1	Important Events happened in India in recent year	10
2	Current world events	
3	Person-in-news	
4	Current events related to national security, internal and external threats, and role of Armed Forces	
TOTAL NUMBER OF LECTURE		240