Appendix II

Syllabus

Common Entrance Exam for Army Cadet College (ACC 10+2)-136, SCO Ser 61/Med (NT):

Sl	Subject	Topic
1	(Part 1) Reasoning	**Verbal:**
		Number series
		Letter Series
		Analogy
		Coding & decoding
		Drawing Conclusion
		Ranking
		Blood relation
		Distance & Direction test
		Symbol Substitution
		Calendar and Clock
		Non-Verbal:
		Series
		Analogy
		Classification
2	(Part 2) Mathematics	Arithmetic
		Algebra
		Mensuration
		Trigonometry
		Geometry
		Statistics and Probability
3	(Part 3) General Knowledge	Who is who (India & World)
		The Armed Forces
		Sports
		Arts, Culture & Literature
		National & International Affairs
4	(Part 4) English	Spotting Errors
		Direct & Indirect Narration
		Synonym & Antonym
		Phrases & Idioms
		Comprehension Passage
5	(Part 5) General Science	Physics
		Chemistry
		Biology
		Computer Science/Info Tech
		Environmental Science
6	(Part 6) Humanities	History
		Geography
		Political Science
		Economics
		National & International Organisations

Common Entrance Exam for Army Cadet College (Graduate) 136 – January 2027:

PART-I: English

Sl	Subject	Topic
1	English	Idioms, Phrases and Proverbs
		Synonyms & Antonyms
		Sentence Ordering and Completion
		Para Jumbles
		Preposition & Determiners
		Matching List and Coding
		Error Spotting
		Cloze Test
		Sentence Improvements
		Discourse Markers and Expressions

PART II: General Knowledge (GK)

Sl	Subject	Topic
1	Current Affairs	Event of National and International Importance
		Sports Awards and Honours / Books and Authors
		Major Development in the Field of Politics, Economics and Social Issues
2	History	Ancient History/Medieval and Modern Indian History
		Indian National Movement
		Growth of Nationalism
3	Geography	Physical Social and Economic Aspects of Geography
		Indian Geography
		World Geography
4	Environmental Ecology and Biodiversity	Conservation / Environmental Pollution and Degradation
		Environmental Impact Assessment
		Climate Change
		Threats to Ecosystem
		Impact of e-Waste
5	Defence and Security Issues	Current Events Related to National Security / Internal and External Threat
		Role of Armed Forces / Cyber security / Drone Warfare / Military Innovations
		indigenisation of Defence Production
6	Indian Politics and Governance	Constitution of India / Political System
		Panchayat Raj
		Public Policy
		Fundamental Rights/Issues
		Electoral Process and Reforms
7	Economic and Social Development	Sustainable Development
		Poverty
		Inclusion Initiatives
		Demographics
		Social Sector Initiatives
8	Science and Technology	Development in the field of Science and Technology
		Space Technology
		Bio Tech
		Computer Technology

PART III: Mathematics

Sl	Subject	Topic
1	Number System	Natural Number
		Integers
		Rational & Real Numbers
		Square Root
		Decimal Fractions
		Unitary Method
		Time And Distance
		Percentages
		Application to Simple & Compound Interest
		Profit & Loss
2	Elementary Number Theory	Division algorithm
		Prime composite number
		Test of divisibility by 2,3,4,5,9 &11 / Multiple factors
		Factorisation theorem
3	Algebra	Basic Operations
		Simple Factors
		Remainder Theorem
		HCF& LCM
		Solution of Quadratic Equation
		Simultaneous Linear Equations
4	Trigonometry	Sinθ Cosθ Taθ ,0< θ < 90, Values of Sinx Cosx Tanx, X=0,30,45,60,90 Degree / Simple Cases of Height and Distance
5	Geometry	Lines & Angles / Plane and Plane Figure
		Theorems on Properties of Angle
		Parallel Lines
		Congruency of Triangles
		Concurrence of Medians & Altitudes / Properties of Angle
6	Mensuration	Area of Parallelogram, Rectangle, Square, Triangle and Circles
		Area of Figures Lateral/Curved and Total Surface Area
		Volumes of Figures Cube, Cuboid, Cylinder, Cones, Spheres
7	Statistics	Collection and Tabulation of Statistic Data
		Histograms/ Bar Chart