



PROVISIONAL 2027 PREPARATION SYLLABUS

ANM(R) & GNM Entrance Examination

West Bengal | Target Year 2027

A structured, subject-wise preparation syllabus with official exam pattern, topic priorities, and a practical study workflow.

Prepared from the latest WBJEEB ANM(R) & GNM-2026 Information Bulletin and official previous-paper archive. The 2027 bulletin was not yet published on the preparation date.

Version 1.0 | 03 August 2026



01 | EXAM FRAMEWORK

Status and Official Exam Pattern

Use the official framework as the fixed core; treat the detailed chapter map in this guide as a preparation checklist until WBJEEB publishes the 2027 bulletin.

Important 2027 status

As of 03 August 2026, WBJEEB's official ANM & GNM page and bulletin are for ANM(R) & GNM-2026. Therefore, dates, eligibility, fees, centres, and any revised pattern for 2027 must be verified after the 2027 bulletin is released. Confidence: High.

MODE	DURATION	QUESTIONS	TOTAL MARKS	LANGUAGE
OMR-based MCQ	90 minutes	100	115	English + Bengali*

* Basic English and Logical Reasoning are not bilingual in the latest official bulletin.

SUBJECT	CAT-1 Q	CAT-2 Q	TOTAL Q	MARKS	MARK SHARE
Life Science	30	10	40	50	43.5%
Physical Science	15	5	20	25	21.7%
Basic English	15	-	15	15	13.0%
Mathematics	10	-	10	10	8.7%
General Knowledge	10	-	10	10	8.7%
Logical Reasoning	5	-	5	5	4.3%
TOTAL	85	15	100	115	100%

Category 1 marking
85 Q

- One correct option.
- +1 for correct; -0.25 for incorrect.
- Multiple marked options are treated as incorrect.
- Unattempted = 0.

Category 2 marking
15 Q

- One or more correct options.
- +2 for marking all correct options only.
- Partial marks when only some correct options are marked and no incorrect option is chosen.
- Any incorrect option selected = 0; unattempted = 0.

Practical consequence

Life Science + Physical Science account for 75 of 115 marks (65.2%), and all Category 2 questions come from these two subjects in the latest pattern. Build depth here first, but preserve accuracy in the shorter one-mark sections. Confidence: High for the 2026 pattern; Medium for 2027 continuity.

02 | HOW TO READ THIS GUIDE

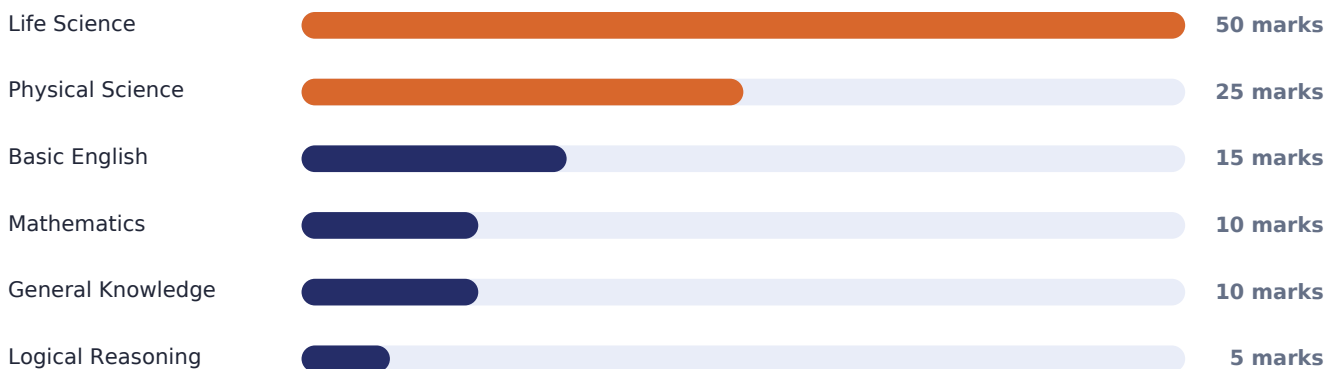
Official Scope and Preparation Priorities

The official bulletin defines standard levels, not a chapter-by-chapter list. The topic map below converts that scope into a practical revision plan.

Official syllabus scope

Life Science, Physical Science, and Mathematics are based on the Class 10 syllabi of recognised Boards/Councils in India. Basic English, General Knowledge, and Logical Reasoning are equivalent to the Class 12 standard. Confidence: High.

Marks-based priority



Tier A - Master thoroughly

65.2%

- Life Science core concepts and diagrams.
- Physics numericals and chemistry reactions.
- Category 2 multi-correct discipline.
- Class 10 textbook-level definitions and applications.

Tier B - Secure easy marks

34.8%

- English grammar and vocabulary drills.
- Arithmetic, algebra, geometry, mensuration.
- Static GK plus West Bengal-specific facts.
- Short timed reasoning sets.

What this guide is

USE

- A broad, exam-oriented checklist.
- Aligned with common Class 10 Indian-board content.
- Designed for revision and mock-test planning.
- Updated against the latest official exam pattern.

What this guide is not

LIMIT

- It is not the yet-unreleased 2027 official bulletin.
- It does not replace your board textbook.
- It does not guarantee chapter-wise question frequency.
- Dates and eligibility are intentionally excluded.

03 | SUBJECT SYLLABUS

Life Science - Core Biology

Official level: Class 10. Highest-weight subject: 40 questions and 50 marks in the latest pattern.

Coverage note

WBJEEB does not publish a detailed chapter list for this paper. The blocks below are a comprehensive preparation map based on common Class 10 biology curricula. Confidence: Medium-High.

1. Cell, tissue and organisation
CORE

- Cell structure and organelles; plant vs animal cell.
- Diffusion, osmosis and membrane transport.
- Cell cycle; mitosis and meiosis basics.
- Plant and animal tissues; levels of organisation.

2. Life processes
HIGH

- Nutrition in plants and animals; enzymes.
- Photosynthesis: factors, equation and significance.
- Aerobic and anaerobic respiration.
- Transport in plants; blood, heart and circulation.
- Excretion in plants and humans.

3. Control and coordination
HIGH

- Neuron, reflex action, brain and spinal cord.
- Sense organs and response pathways.
- Endocrine glands and major hormones.
- Plant hormones, tropic and nastic movements.
- Homeostasis and feedback basics.

4. Movement and support
MED

- Human skeletal system and major joints.
- Muscle types and muscular movement.
- Locomotion and posture.
- Common bone, joint and muscle disorders at basic level.

Question skills

Practise labelled diagrams, sequence-based questions, function-location matching, cause-and-effect, and application questions involving health, nutrition, circulation, hormones, and plant responses.

03 | SUBJECT SYLLABUS

Life Science - Reproduction, Genetics and Environment

Focus on conceptual relationships, biological terminology, diagrams, and everyday health applications.

5. Reproduction and development

HIGH

- Asexual and sexual reproduction.
- Reproduction in flowering plants; pollination and fertilisation.
- Human male and female reproductive systems.
- Menstrual cycle, fertilisation, pregnancy and development.
- Reproductive health and responsible health practices.

6. Heredity and variation

HIGH

- Genes, DNA, chromosomes and traits.
- Mendel's experiments and basic inheritance patterns.
- Dominant/recessive traits and simple crosses.
- Sex determination in humans.
- Sources and significance of variation.

7. Evolution and adaptation

MED

- Concept of evolution and natural selection.
- Adaptation in plants and animals.
- Evidence of evolution at school level.
- Speciation and survival advantage basics.
- Human evolution - broad overview only.

8. Health, disease and immunity

HIGH

- Communicable and non-communicable diseases.
- Pathogens, transmission and prevention.
- Innate/acquired immunity; antibodies and vaccination.
- Nutrition deficiency and lifestyle disorders.
- Hygiene, first-response awareness and public health basics.

9. Ecology and ecosystems

HIGH

- Biotic and abiotic components.
- Food chain, food web and ecological pyramids.
- Energy flow and trophic levels.
- Carbon, oxygen, water and nitrogen cycles.
- Population, habitat and ecological balance.

10. Environment and conservation

HIGH

- Air, water, soil and noise pollution.
- Waste segregation, recycling and biodegradation.
- Greenhouse effect, climate change and ozone depletion.
- Biodiversity and conservation methods.
- Sustainable use of natural resources.

Revision checkpoint

You should be able to define each key term, explain one real-world example, identify the relevant organ/process, and eliminate closely related distractors. For Category 2, check every option independently before marking.

04 | SUBJECT SYLLABUS

Physical Science - Physics

Official level: Class 10. Combined Physical Science carries 20 questions and 25 marks in the latest pattern.

Numerical emphasis

Physics preparation should mix concept review with short calculations. Keep units, sign conventions, formula selection, and graph interpretation under tight control. Confidence: Medium-High.

1. Measurement and motion
CORE

- SI units, dimensions and conversions.
- Distance/displacement; speed/velocity; acceleration.
- Equations and graphs of uniform/non-uniform motion.
- Relative motion at a basic level.

2. Force and mechanics
HIGH

- Newton's laws and inertia.
- Momentum and impulse; conservation of momentum.
- Friction and its applications.
- Gravitation, mass vs weight, free fall.
- Pressure, buoyancy and Archimedes' principle.

3. Work, energy and power
HIGH

- Work done by constant force.
- Kinetic and potential energy.
- Conservation and transformation of energy.
- Power and efficiency.
- Simple machines and mechanical advantage basics.

4. Heat and thermal phenomena
MED

- Temperature scales and heat capacity.
- Specific heat and calorimetry basics.
- Conduction, convection and radiation.
- Thermal expansion and change of state.
- Everyday applications of heat transfer.

5. Light and optics
HIGH

- Reflection; plane and spherical mirrors.
- Refraction and refractive index.
- Lenses, ray diagrams and lens formula concepts.
- Human eye, defects and correction.
- Dispersion, scattering and optical phenomena.

6. Sound and waves
MED

- Wave terms: amplitude, frequency, wavelength and speed.
- Pitch, loudness and quality.
- Reflection of sound, echo and reverberation.
- Ultrasound and everyday applications.
- Basic hearing range and noise pollution.

7. Electricity
HIGH

- Charge, current, potential difference and resistance.
- Ohm's law; series and parallel circuits.
- Electrical power and energy; commercial unit.
- Heating effect, fuse, MCB and domestic wiring.
- Numerical problems using V, I, R, P and energy.

8. Magnetism and electromagnetism
MED

- Magnetic fields and field lines.
- Magnetic effect of current.
- Electromagnets and solenoids.
- Motor and generator principles.
- Electromagnetic induction and safety basics.

04 | SUBJECT SYLLABUS

Physical Science - Chemistry

Prioritise equations, periodic trends, reaction logic, everyday chemistry, and short numerical applications.

1. Matter, atoms and molecules CORE - States of matter and particle model. - Elements, compounds and mixtures. - Atomic structure; atomic and mass numbers. - Molecules, ions, valency and chemical formulae. - Mole concept and relative masses at Class 10 level.	2. Periodic classification HIGH - Modern periodic table layout. - Groups, periods, metals and non-metals. - Valency, atomic size and broad periodic trends. - Noble gases and representative elements. - Using position to predict properties.
3. Chemical bonding MED - Ionic and covalent bonding. - Electron transfer/sharing and stability. - Properties of ionic and covalent compounds. - Simple Lewis/electron-dot structures. - Bonding-property relationships.	4. Chemical reactions HIGH - Writing and balancing equations. - Combination, decomposition, displacement and double displacement. - Oxidation, reduction and redox. - Exothermic/endothermic reactions. - Catalysts and reaction conditions.
5. Acids, bases and salts HIGH - Properties and indicators. - pH scale and everyday relevance. - Neutralisation and salt formation. - Common salts and their uses. - Acid/base safety and environmental effects.	6. Metals and non-metals HIGH - Physical and chemical properties. - Reactivity series and displacement. - Extraction principles at school level. - Corrosion and prevention. - Alloys and common uses.
7. Carbon compounds HIGH - Covalency and carbon chains. - Hydrocarbons; saturated vs unsaturated. - Basic functional groups and homologous series. - Combustion, oxidation and addition/substitution basics. - Ethanol, ethanoic acid, soaps and detergents.	8. Solutions, gases and environment MED - Solute, solvent, concentration and solubility. - Gas behaviour and pressure-temperature ideas. - Separation and purification techniques. - Fuels, combustion and calorific value. - Air/water chemistry and pollution control.

Must-practise formats

Balance equations, identify reaction type, compare trends, choose correct products, solve one-step mole/concentration questions, and connect chemical properties to common materials and health/environment situations.

05 | SUBJECT SYLLABUS

Mathematics

Official level: Class 10. Ten one-mark questions reward speed, accuracy, and broad coverage.

Scope strategy

Do not over-invest in long proofs. Prioritise standard results, short calculations, formula recall, and MCQ elimination. Confidence: Medium-High.

1. Number system
CORE

- Integers, rational and irrational numbers.
- Real-number properties and decimal expansion.
- HCF, LCM and Euclid-type reasoning.
- Indices, surds and simplification.

2. Algebra
HIGH

- Polynomials, identities and factorisation.
- Linear equations in one/two variables.
- Quadratic equations and roots.
- Arithmetic progression.
- Algebraic simplification and word problems.

3. Commercial arithmetic
HIGH

- Ratio, proportion and variation.
- Percentage, profit, loss and discount.
- Simple and compound interest.
- Mixture and unitary method basics.
- Time-work and time-speed-distance.

4. Geometry
HIGH

- Lines, angles and polygons.
- Triangle congruence and similarity.
- Pythagoras theorem and applications.
- Circle theorems, tangents and chords.
- Basic constructions and locus ideas.

5. Coordinate geometry
MED

- Cartesian plane and plotting.
- Distance and section/midpoint formulae.
- Area of triangle using coordinates.
- Equation/graph interpretation at basic level.

6. Mensuration
HIGH

- Perimeter and area of plane figures.
- Surface area and volume of solids.
- Combination of solids.
- Unit conversion and practical measurement.

7. Trigonometry
HIGH

- Trigonometric ratios and standard angles.
- Basic identities.
- Heights and distances.
- Right-triangle applications.

8. Statistics and probability
HIGH

- Mean, median and mode.
- Grouped/ungrouped data interpretation.
- Tables, bar graphs, histograms and pie charts.
- Elementary probability and sample space.

06 | SUBJECT SYLLABUS

Basic English

Official level: equivalent to Class 12. Fifteen one-mark questions; the section is presented in English.

Likely testing style

Expect compact objective questions on grammar, vocabulary, sentence use, and comprehension rather than literature-specific content. This is a preparation inference, not an official chapter list. Confidence: Medium.

1. Grammar foundations
HIGH

- Parts of speech and sentence elements.
- Tenses and sequence of tense.
- Subject-verb agreement.
- Articles, determiners and quantifiers.
- Prepositions and conjunctions.

2. Sentence transformation
HIGH

- Active and passive voice.
- Direct and indirect speech.
- Simple, compound and complex sentences.
- Affirmative/negative/interrogative forms.
- Degrees of comparison and conditionals.

3. Usage and error correction
HIGH

- Modifiers and parallel structure.
- Pronoun reference and agreement.
- Common errors in tense, number and preposition.
- Sentence improvement and error spotting.
- Punctuation and spelling.

4. Vocabulary
HIGH

- Synonyms and antonyms.
- One-word substitutions.
- Idioms, phrases and phrasal verbs.
- Homophones and commonly confused words.
- Prefixes, suffixes and word formation.

5. Comprehension
HIGH

- Main idea and supporting detail.
- Inference, tone and purpose.
- Meaning from context.
- Fact vs opinion.
- Short passage and sentence completion.

6. Verbal arrangement
MED

- Cloze tests.
- Jumbled words/sentences.
- Logical order of sentences.
- Appropriate word/phrase selection.
- Basic analogy and verbal classification.

Daily drill

Complete 20-25 mixed questions in 20 minutes: 10 grammar, 5 vocabulary, and one short passage. Record recurring errors by rule, not merely by question.

07 | SUBJECT SYLLABUS

General Knowledge

Official level: equivalent to Class 12. Balance static knowledge, West Bengal awareness, health-science basics, and recent current affairs.

Current-affairs window

A practical target is the 12-18 months preceding the examination, with heavier revision of the final 6 months. This is a study recommendation; WBJEEB does not specify a fixed current-affairs period. Confidence: Medium.

1. West Bengal focus

HIGH

- Districts, rivers, geography and resources.
- History, reform movements and notable personalities.
- Culture, literature, festivals and heritage.
- State administration and major institutions.
- Health, education and welfare initiatives.

2. Indian polity

HIGH

- Constitutional basics and fundamental rights/duties.
- President, Prime Minister, Parliament and judiciary.
- Union-state-local governance.
- Election system and constitutional bodies.
- Major national symbols and institutions.

3. History and culture

MED

- Ancient and medieval milestones.
- Modern India and freedom movement.
- Social and religious reform.
- Post-independence developments.
- Art, architecture, literature and heritage.

4. Geography and environment

HIGH

- India and world physical geography.
- Climate, monsoon, rivers, soils and agriculture.
- Population and resources.
- Biodiversity, conservation and disasters.
- Maps, locations and environmental conventions.

5. Economy and society

MED

- Basic economic terms and sectors.
- Banking, inflation, budget and taxation basics.
- Poverty, employment and development indicators.
- Major government programmes.
- Census, demographics and social issues.

6. Science, health and current affairs

HIGH

- Everyday science and technology.
- Human health, nutrition, diseases and vaccination.
- Awards, appointments, books and important days.
- National/international events and organisations.
- Sports, space, defence and major discoveries.

Revision system

Use a one-page weekly current-affairs digest plus rotating static-GK revision. Convert facts into question-answer cards and revise at 1-day, 7-day, and 30-day intervals.

08 | SUBJECT SYLLABUS

Logical Reasoning

Official level: equivalent to Class 12. Only five questions, so aim for high accuracy with limited daily practice.

Time-control rule

Reasoning should not consume disproportionate exam time. Learn standard patterns, skip unusually long puzzles, and return only after securing direct questions. Confidence: Medium-High.

1. Series and patterns

HIGH

- Number and alphabet series.
- Missing term and odd term.
- Mixed alphanumeric patterns.
- Simple figure/non-verbal series.

2. Analogy and classification

HIGH

- Word, number and symbol analogies.
- Odd one out.
- Classification by shared property.
- Cause-function and part-whole relationships.

3. Coding and decoding

HIGH

- Letter shifting and substitution.
- Word/number coding.
- Symbol coding.
- Pattern recognition in coded statements.

4. Direction, order and relations

HIGH

- Direction sense and distance.
- Blood relations and family tree.
- Ranking and ordering.
- Age and position-based comparisons.

5. Statement reasoning

MED

- Syllogisms and Venn diagrams.
- Statement-conclusion and assumption.
- Assertion-reason basics.
- Course of action and logical consistency.

6. Arrangements and data logic

MED

- Simple seating/linear arrangement.
- Calendar and clock basics.
- Data sufficiency.
- Tables, conditions and short logic puzzles.

Practice target

Three short sets per week are enough once concepts are stable. Target 4-5 correct answers within 5-7 minutes in full mocks.

09 | PREPARATION WORKFLOW

A Practical 16-Week Study Sequence

This sequence is a recommendation, not an official requirement. Adjust hours to your starting level while preserving the order: learn, practise, test, revise.

1 Foundation build | Weeks 1-6

Complete the first pass of Life Science and Physical Science; revise Mathematics fundamentals; begin grammar and a daily 15-minute current-affairs habit. End each week with a 50-question mixed test.

2 Coverage and consolidation | Weeks 7-10

Finish all syllabus blocks, create formula/diagram/error sheets, and start official previous-paper sets by section. Introduce Category 2 multi-correct practice twice weekly.

3 Timed sectional practice | Weeks 11-13

Take 3 sectional tests per week, each under strict time. Review every wrong answer and every guessed answer. Re-study weak concepts within 48 hours.

4 Full mocks and final revision | Weeks 14-16

Take 2-3 full 90-minute mocks per week using OMR-style response practice. Stabilise attempt order, accuracy thresholds, and final revision notes. Reduce new material in the last week.

Suggested weekly allocation

AREA	SHARE OF STUDY TIME	PRACTICAL TARGET
Life Science	35%	Concepts + diagrams + Category 2
Physical Science	25%	Numericals + equations + applications
Mathematics	12%	Speed, formulas and mixed drills
Basic English	12%	Daily grammar/vocabulary/comprehension
General Knowledge	11%	Static rotation + current affairs
Logical Reasoning	5%	Short pattern practice

Mock-test rules

Use the same 90-minute limit; practise OMR bubbling; separate knowledge errors from careless errors; track accuracy by subject; and review unattempted questions. A high score comes from controlled accuracy, not maximum attempts at any cost.

10 | REFERENCES

Sources, Confidence and Update Protocol

Keep this guide, but always let the official 2027 bulletin override any conflicting detail.

REF	SOURCE	USED FOR	CONFIDENCE
[1]	WBJEEB Information Bulletin: ANM(R) & GNM-2026, released 19 March 2026	Exam pattern, marks, duration, language, marking scheme, standard level	High
[2]	WBJEEB official ANM & GNM examination page, checked 03 August 2026	Confirmation that the current published cycle is 2026; 2027 bulletin not found	High
[3]	WBJEEB official ANM/GNM old question-paper archive	Practice recommendation and availability of official previous papers	High
[4]	Common Class 10 curricula across recognised Indian Boards/Councils	Detailed preparation topic map for Life Science, Physical Science and Mathematics	Medium-High
[5]	Standard Class 12-level objective English, GK and reasoning preparation conventions	Detailed topic map for non-science sections	Medium

Official links

- ANM & GNM examination page: wbjeeb.nic.in/anm-gnm/
- Official old question papers: wbjeeb.nic.in/anm-gnm-old-question-papers/
- WBJEEB home: wbjeeb.nic.in

Update protocol for 2027

When WBJEEB publishes the ANM(R) & GNM-2027 bulletin, compare: (1) subject list and marks, (2) Category 1/2 counts, (3) duration and language, (4) scoring rules, and (5) stated standard level. If any point changes, follow the bulletin immediately and revise this guide accordingly.

STUDY THE SYLLABUS. PRACTISE THE PATTERN. REVIEW THE ERRORS.

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