



# Aakash

Medical | IIT-JEE | Foundations

## ➤ Ranker Test Series Schedule (For Class VIII Students 2024-25)

### Online Test Package

| Test  | Date        | Day      | TOPIC  |
|-------|-------------|----------|--|
| UT-1  | 08-Jun-2024 | Saturday | <b>Chemistry:</b> Coal and Petroleum (till uses of Coal and its products)<br><b>Biology:</b> Crop Production and Management<br><b>Maths:</b> Rational Numbers, Linear Equations in One Variable      |
| UT-2  | 13-Jul-2024 | Saturday | <b>Physics:</b> Force and Pressure, Friction<br><b>Biology:</b> Microorganisms: Friend and Foe<br><b>Maths:</b> Understanding Quadrilaterals   |
| UT-3  | 10-Aug-2024 | Saturday | <b>Physics:</b> Sound<br><b>Chemistry:</b> Coal and Petroleum (Petroleum onwards)<br><b>Maths:</b> Data Handling, Squares and Square Roots, Cubes & Cube Roots                                       |
| PT-1  | 31-Aug-2024 | Saturday | <b>For Science &amp; Maths:</b> Complete Syllabus of Module-1  |
| UT-4  | 19-Oct-2024 | Saturday | <b>Physics:</b> Some Natural Phenomena<br><b>Biology:</b> Reproduction in Animals<br><b>Maths:</b> Mensuration   |
| UT-5  | 16-Nov-2024 | Saturday | <b>Chemistry:</b> Combustion and Flame (Combustion, Types of combustion, Flame)<br><b>Biology:</b> Reaching the Age of Adolescence<br><b>Maths:</b> Exponents & Powers, Direct & Inverse Proportions |
| UT-6  | 14-Dec-2024 | Saturday | <b>Physics:</b> Light<br><b>Chemistry:</b> Combustion and Flame (Complete chapter)<br><b>Maths:</b> Factorization, Introduction to Graphs  |
| PT-2  | 21-Dec-2024 | Saturday | <b>For Science &amp; Maths:</b> Complete Syllabus Of Module-2  |
| FST-1 | 04-Jan-2025 | Saturday | Complete Syllabus  |
| FST-2 | 11-Jan-2025 | Saturday | Complete Syllabus  |

UT- Unit Test | PT- Part Test | FST- Full Syllabus Test

Ch-Chapter | Sc-Science | P-Physics | C-Chemistry | B-Biology | M-Mathematics |

S.Sc.-Social Science | Geo-Geography | His-History | Pol.Sc.-Political Science | Eco-Economics

**NOTE:** Excluding the topics/chapters as per NCERT for session 2024-25

**Note:** This schedule is for academic year 2024-25 only | Next year schedule shall be intimated in April 2025



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## ➤ AIATS Schedule for Class VIII (Studying Students 2024-25)

### AIATS (CBSE) Test Schedule for Class VIII

| Test No.                     | Subject              | Test Date Only for ONLINE Students    | Type      | Topics of the Test  |
|------------------------------|----------------------|---------------------------------------|-----------|---|
| AIATS-Practice Test (Online) | Science, Maths & MAT | 28th Jul (AIATS-Practice Test) Online | Objective | <b>Physics:</b> Force and Pressure, Friction<br><b>Chemistry:</b> Coal and Petroleum (till constituent of Petroleum and its uses)<br><b>Biology:</b> Crop Production and Management, Microorganisms-Friend and Foe<br><b>Maths:</b> Rational Numbers, Linear Equations in One Variable, Understanding Quadrilaterals, Data Handling<br><b>MAT:</b> Series, Mathematical operation, Dice, Analogy, Coding decoding   |
| AIATS-1                      | Science, Maths & MAT | 18th Aug 2024                         | Objective | <b>PCMB-</b> Syllabus of Practice test<br><b>MAT-</b> Syllabus of Practice test   |
| AIATS-2                      | Science, Maths & MAT | 6th Oct 2024                          | Objective | <b>Physics:</b> Force and Pressure, Friction, Sound<br><b>Chemistry:</b> Coal and Petroleum<br><b>Biology:</b> Crop Production and Management, Microorganisms-Friend and Foe, Conservation of Plants and Animals<br><b>Maths:</b> Rational Numbers, Linear Equations in One Variable, Understanding Quadrilaterals, Data Handling, Squares and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions and Identities<br><b>MAT:</b> Direction Test, Ranking test, Blood relation, Missing character, Number and alphabet test, Non verbal- reasoning |
| AIATS-3                      | Science, Maths & MAT | 1st Dec 2024                          | Objective | <b>Physics:</b> Chemical Effects of Electric Current, Some Natural Phenomena<br><b>Chemistry:</b> Combustion and Flame (Combustion, Types of Combustion, Flame, Facts related to candle flame, Fuels (Types of fuels) Essentials of Fuel (Calorific Value))<br><b>Biology:</b> Conservation of Plants and Animals, Reproduction in Animals<br><b>Maths:</b> Comparing Quantities, Algebraic Expressions and Identities, Mensuration<br><b>MAT:</b> Complete Syllabus  |
| AIATS-4                      | Science, Maths & MAT | 12th Jan 2025                         | Objective | <b>Physics:</b> Some Natural Phenomena, Light<br><b>Chemistry:</b> Combustion and Flame<br><b>Biology:</b> Reproduction in Animals, Reaching the age of Adolescence<br><b>Maths:</b> Mensuration, Exponents and Powers, Direct and Inverse Proportions, Factorization<br><b>MAT:</b> Complete Syllabus  |
| AIATS-5                      | Science, Maths & MAT | 9th Feb 2025                          | Objective | Complete Syllabus   |

**Note:** Online Tests will start at 10 AM as per the given dates of exam and test window is for 48 hours.



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## ➤ Online Test Schedule (For Class VIII Students 2024-25)

### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject          | Chapter with topics  |
|------------------|--|
| Biology 1        | CROP PRODUCTION AND MANAGEMENT ( Crop and its types, Agricultural Practices, Sowing, Adding manures and fertilizers, Manure and its types)   |
| Chemistry 1      | Coal and Petroleum (Introduction, Natural Resources, Types of Exhaustible Natural Resources, Differences Between Renewable and Non Renewable Resources, Coal & Petroleum, Coal, Uses of Coal & its Products, Different Types of Coal and their Uses) |
| MAT 1            | Series (Number Series)   |
| Mathematics 1    | Rational Numbers   |
| Physics 1        | FORCE AND PRESSURE (Force, Balanced and Unbalanced Forces, Contact and Non-Contact Forces)   |
| Social Science 1 | Resources  |
| Biology 2        | CROP PRODUCTION AND MANAGEMENT (Fertilizers-Advantages and Disadvantages, Differences between fertilisers and manures, Irrigation and its methods, Protection from weeds )   |
| Chemistry 2      | Coal and Petroleum (Petroleum, Refining of Petroleum, Constituents of Petroleum & their uses, Extraction of petroleum, Natural Gas, Conservation of natural Resources, Common Types of Alternative Energy)   |
| MAT 2            | Series (Alphabetic Series)   |
| Mathematics 2    | Rational Numbers   |
| Physics 2        | FORCE AND PRESSURE (Gravitational Force, Mass and Weight, Spring Balance, Pressure, Pressure in a Fluid)   |
| Social Science 2 | How, When and Where  |
| Biology 3        | CROP PRODUCTION AND MANAGEMENT (Harvesting, Storage, Animal Husbandry- Dairy animals, Poultry, Fish, Honey bees)   |
| Chemistry 3      | Combustion and Flame (Combustion, Types of Combustion, More about combustion, Respiration, Comparison between Respiration and Burning.)  |
| MAT 3            | Mathematical Operations  |
| Mathematics 3    | Rational Numbers   |
| Physics 3        | FORCE AND PRESSURE (Atmospheric Pressure)  |



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### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject          | Chapter with topics  |
|------------------|--|
| Social Science 3 | The Indian Constitution  |
| Biology 4        | MICROORGANISMS : FRIEND AND FOE (Microorganisms, Classification of Microorganisms, Viruses, Characteristics of Microorganisms, Structure of Microorganisms, Microorganisms and Us)   |
| Chemistry 4      | Combustion and Flame (Flame (Zones of a Candle Flame, Facts Related to Candle Flame))  |
| MAT 4            | Dice   |
| Mathematics 4    | Linear Equations in One Variable   |
| Physics 4        | FRICITION (Force of Friction, Factors Affecting Friction)  |
| Social Science 4 | From Trade to Territory  |
| Biology 5        | MICROORGANISMS : FRIEND AND FOE (Friendly Microorganisms ,Commercial use of microorganisms, Medicinal use of microorganism, Harmful microorganisms (upto Common Plant Diseases caused by microorganisms))  |
| Chemistry 5      | Combustion and Flame (Fuels, Essentials of Fuel, Combustibility, Characteristics of Good Fuel, Harmful Effects of Burning of Fuel, Green House Effects & Global Warming , Effects of Global Warming, Acid Rain, Fire, Fire Extinguishers, First aid to Burning Victims, Maintenance of carbon dioxide in nature) |
| MAT 5            | Analogy  |
| Mathematics 5    | Linear Equations in One Variable   |
| Physics 5        | FRICITION (Static & Kinetic Friction, Rolling Friction, Friction a Necessary Evil)   |
| Social Science 5 | From Trade to Territory  |
| Biology 6        | MICROORGANISMS : FRIEND AND FOE (Harmful microorganisms(Diseases caused by Bacteria, Viruses and Protozoans),Disease causing microorganisms in Animals and Plants)   |
| MAT 6            | Analogy ( )  |
| Mathematics 6    | Understanding Quadrilaterals   |
| Physics 6        | FRICITION (Fluid Friction, Increasing and Reducing Friction, Example of Friction)  |
| Social Science 6 | Understanding Secularism   |



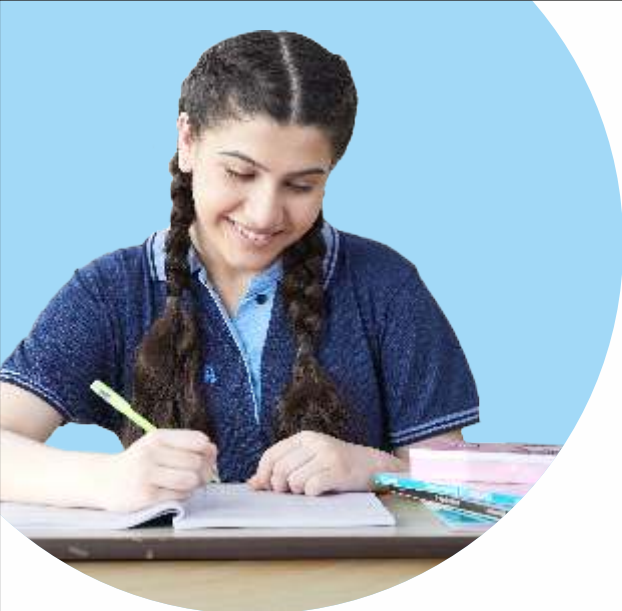
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### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject          | Chapter with topics  |
|------------------|--|
| Biology 7        | MICROORGANISMS : FRIEND AND FOE (Food Poisoning, Food Preservation and its methods, Nitrogen Fixation, Nitrogen Cycle, Contribution of some great scientists in the field of microbiology)                                 |
| MAT 7            | Coding and Decoding  |
| Mathematics 7    | Understanding Quadrilaterals   |
| Physics 7        | SOUND (Production of Sound, Characteristics of Vibrations, Wave, Wavelength, Wave Velocity, Sound Produced and Hearing by Human Beings, Speed of Sound)  |
| Social Science 7 | Land, Soil, Water, Natural Vegetation and Wildlife Resources   |
| Biology 8        | CONSERVATION OF PLANTS AND ANIMALS ( Deforestation-causes and consequences, Forest and wildlife (National park, Wildlife sanctuary, Biosphere reserve,))   |
| MAT 8            | Direction Sense Test   |
| Mathematics 8    | Understanding Quadrilaterals   |
| Physics 8        | SOUND (Audible & Inaudible Sounds, Characteristics of Sound, Noise & Music, Musical Instruments, Reflection of Sound)  |
| Social Science 8 | Ruling the Countryside   |
| Biology 9        | CONSERVATION OF PLANTS AND ANIMALS (Rare species classification by IUCN, Forest and wildlife laws, Migration, Recycling of paper, Reforestation, Project tiger, WWF, Biodiversity hotspot, Chipko movement, Afforestation) |
| MAT 9            | Ranking Test   |
| Mathematics 9    | Data Handling  |
| Physics 9        | CHEMICAL EFFECTS OF ELECTRIC CURRENT (Complete Chapter)  |
| Social Science 9 | Paliament and the making of laws   |
| Biology 10       | REPRODUCTION IN ANIMALS ( Modes of Reproduction(Sexual reproduction),Sexual Reproduction(events of sexual reproduction),Male Reproductive System)  |
| MAT 10           | Puzzles  |
| Mathematics 10   | Data Handling  |



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### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject           | Chapter with topics   |
|-------------------|---|
| Physics 10        | SOME NATURAL PHENOMENA (Electric Charge, Types of Charges and Their Interaction)  |
| Social Science 10 | Paliament and the making of laws  |
| Biology 11        | REPRODUCTION IN ANIMALS (Human Female Reproductive System, Fertilisation (Types of fertilisation), Development (Types of Development), Development of embryo in Hen and frog) |
| MAT 11            | Missing Character   |
| Mathematics 11    | Data Handling   |
| Physics 11        | SOME NATURAL PHENOMENA (Electroscope, Lightning, Lightning Safety Measures, Lightning Conductors)   |
| Social Science 11 | Tribals, Dikus and the Vision of a Golden Age   |
| Biology 12        | REPRODUCTION IN ANIMALS (Oviparous and viviparous animals, Metamorphosis, Development of embryo in silkworm, Asexual Reproduction (Fission, Budding and Regeneration))        |
| MAT 12            | Blood relation  |
| Mathematics 12    | Squares and Square Roots  |
| Physics 12        | SOME NATURAL PHENOMENA (Structure of the Earth, Earthquakes, Some Important Terms Regarding Earthquakes)  |
| Social Science 12 | When People Rebel   |
| Biology 13        | REACHING THE AGE OF ADOLESCENCE (Growth, Adolescence, Puberty, Changes at Puberty, Secondary sexual characters)   |
| MAT 13            | Number and alphabet Test  |
| Mathematics 13    | Squares and Square Roots  |
| Physics 13        | LIGHT (Light, Rectilinear Propagation of Light, Reflection of Light, Laws of Reflection, Kinds of Reflection)   |
| Social Science 13 | When People Rebel   |
| Biology 14        | REACHING THE AGE OF ADOLESCENCE (Role of hormones in initiating reproductive functions, Reproductive phase of life in humans, How is the sex of the baby determined?)         |
| MAT 14            | Non Verbal Reasoning  |



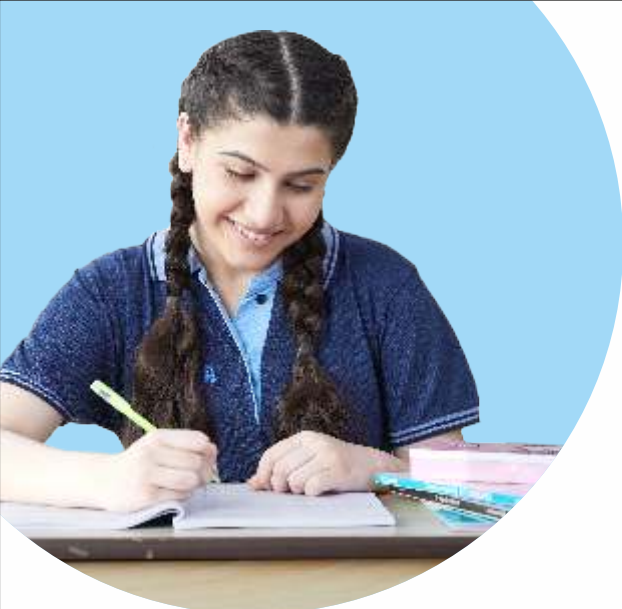
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## ➤ Online Test Schedule (For Class VIII Students 2024-25)

### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject           | Chapter with topics  |
|-------------------|--|
| Mathematics 14    | Cubes And Cube Roots   |
| Physics 14        | LIGHT (Characteristics of Image Formed by a Plane Mirror, Lateral Inversion, Reflected light can be Reflected Again, Uses of Plane Mirrors, Spherical Mirrors, Spherical Lenses)   |
| Social Science 14 | Judiciary  |
| Biology 15        | REACHING THE AGE OF ADOLESCENCE (Characteristics of hormones, Hormones other than sex hormones, Role of hormones in completing the life history of insects and frog, Reproductive Health, Drugs and Youth, Say 'NO' to drugs, Stress Management) |
| MAT 15            | Non Verbal Reasoning   |
| Mathematics 15    | Cubes And Cube Roots   |
| Physics 15        | LIGHT (Sunlight – White or Coloured, Recombination of White Light, Human Eye, Defects of Vision, Braille System, Curable and Incurable Blindness, Apparent Colour of Object)   |
| Social Science 15 | Judiciary  |
| Mathematics 16    | Comparing Quantities   |
| Social Science 16 | Agriculture  |
| Mathematics 17    | Comparing Quantities   |
| Social Science 17 | Civilizing the “Native”, Educating the Nation  |
| Mathematics 18    | Comparing Quantities   |
| Social Science 18 | Understanding Marginalisation  |
| Mathematics 19    | Algebraic Expressions and Identities   |
| Social Science 19 | Industries   |
| Mathematics 20    | Algebraic Expressions and Identities   |
| Social Science 20 | Women, Caste and Reform  |



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## > Online Test Schedule (For Class VIII Students 2024-25)

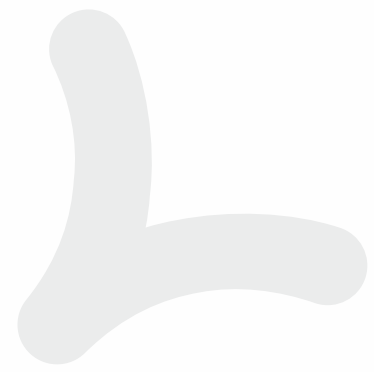
### Daily Practice Test Schedule & Syllabus for Class VIII

| Subject           | Chapter with topics                             |
|-------------------|---|
| Mathematics 21    | Mensuration                                     |
| Social Science 21 | Confronting Marginalisation                     |
| Mathematics 22    | Mensuration                                     |
| Social Science 22 | Public Facilities                               |
| Mathematics 23    | Exponents and Powers                            |
| Social Science 23 | Human Resources                                 |
| Mathematics 24    | Exponents and Powers                            |
| Social Science 24 | The Making of the National Movement-1870s -1947 |
| Mathematics 25    | Direct and Inverse Proportions                  |
| Social Science 25 | Law and Social Justice                          |
| Mathematics 26    | Direct and Inverse Proportions                  |
| Mathematics 27    | Factorization                                   |
| Mathematics 28    | Factorization                                   |
| Mathematics 29    | Introduction to Graphs                          |
| Mathematics 30    | Introduction to Graphs                          |



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## Summary for Class VIII

| RANKER PACKAGE       |            |
|----------------------|------------|
| Year Syllabus        | Class VIII |
| AIATS                | 6          |
| Unit Tests           | 6          |
| Part Tests           | 2          |
| Full Syllabus Tests  | 2          |
| Subjective Tests     | 10         |
| Olympiad Tests       | 4          |
| Daily Practice Tests | 105        |