JEEWAN JYOTI CHANDRA KAMAL ACADEMY

SYLLABUS
Entrance Examination — Class IX Admission

Academic Session 2025 – 2026

A ENGLISH

1. Grammar – Verb Forms & Tenses
  • Present / Past / Future tense
  • Correct form of the verb in context

2. Parts of Speech – Nouns
  • Types: Proper, Common, Abstract, Collective
  • Identifying noun types in sentences

3. Vocabulary – Synonyms & Antonyms
  • Synonyms: Benevolent, Ephemeral, etc.
  • Antonyms: Ancient, Bold, etc.

4. Irregular Plurals
  • Foot → feet, Child → children, Ox → oxen, Leaf → leaves

5. Reading Comprehension (Unseen Passage)
  • Identifying the problem in a passage
  • Inferring lessons / moral / theme from text

6. Writing – Paragraph / Essay
  • Topic: Importance of Education in Modern Life
  • Focus: Relevance, Opportunities, Social Development
  • Word limit: 60–80 words

7. Active & Passive Voice
  • Conversion: Active to Passive (Simple Past, Present Perfect)
  • e.g., 'The teacher praised the student' → Passive

ह HINDI

1. Vyakaran – Visheshan (Adjective)
- Sahi visheshan chuno (Accha / Acche / Acchi)
- Agreement with gender and number

2. Sangya (Noun) Parichay
- Identify noun among Kriya, Visheshan, Kriya-Visheshan
- Example: Pustak (Sangya)

3. Vilom Shabd (Antonyms)
- Din ↔ Raat, Sukh ↔ Dukh, Aadar ↔ Apamaan, Satya ↔ Asatya

4. Kriya Parichay (Identifying Verb)
- Identify verb in a sentence
- e.g., 'Bachche maidan mein khelte hain'

5. Apathit Gadyansh (Unseen Passage)
- Passage on health and wellness
- Give a title, answer comprehension questions

6. Anuchchhed Lekhan (Paragraph Writing)
- Topic: Adarsh Vidyarthi (The Ideal Student)
- Word limit: 60–80 words

7. Kaal Parivartan & Vakya Rachna
- Change tense: Vartamaan → Bhootkaal
- Make negative sentences

∑ MATHEMATICS

1. Squares and Algebraic Identities
- Evaluate $a^2 - b^2$ using identity $(a+b)(a-b)$
- e.g., $15^2 - 8^2$

2. Mensuration – Square (Perimeter & Area)
- Find area given perimeter
- Side = Perimeter ÷ 4, Area = side²

3. Algebraic Expressions – Multiplication
- Expand $(2x + 3)(x - 5)$
- FOIL method / distributive property

4. Number Theory – HCF
- Finding HCF of two numbers
- Prime factorisation / Euclid's division method

5. Linear Equations in Two Variables
- System of equations: substitution method
- e.g., $2x + 3y = 13$ and $x - y = 1$

6. Word Problems – Speed, Distance & Time
- Set up quadratic/linear equation from problem
- Train speed problem: 360 km at uniform speed

7. Geometry – Triangles & Angle Bisectors
- Angle sum property of triangle
- Properties of angle bisectors
- Find unknown angles with reasoning

🌐 SOCIAL SCIENCE

1. Indian History – Freedom Struggle
- Iron Man of India — Sardar Vallabhbhai Patel
- Key figures of Indian Independence

2. Indian Geography – Physical Features
- Tropic of Cancer and Indian states it passes through
- Layers of the Earth: Crust, Mantle, Core

3. Indian Polity – Constitution
- Fundamental Rights and their guarantee
- Document: Indian Constitution
- Articles related to equality and rights

4. World History – French Revolution
- Causes: Social inequality, financial crisis, Enlightenment
- Effects: Rise of democracy, Declaration of Rights
- Global influence on democratic movements

5. Geography – Resources
- Renewable vs Non-Renewable resources
- Examples: Solar, Wind (renewable); Coal, Petroleum (non-renewable)
- Importance of resource conservation

6. Indian Polity – Government Structure
- Three branches: Legislature, Executive, Judiciary
- Structure of the Indian Constitution
- Roles and functions of each branch

💡 GENERAL KNOWLEDGE

1. World Geography – Capitals
- Capital of Australia: Canberra
- Important world capitals

2. Indian National Symbols & Culture
- National Anthem — written by Rabindranath Tagore
- National symbols: Animal, Bird, Flower, etc.

3. Space & Solar System
- Red Planet — Mars
- Planets and their properties

4. International Organisations – Full Forms
- UNESCO: United Nations Educational, Scientific and Cultural Organization
- UNO, WHO, UNICEF, etc.

5. Science & Technology – Famous Inventions
- Telephone – Alexander Graham Bell
- Theory of Relativity – Albert Einstein
- Penicillin – Alexander Fleming
- World Wide Web – Tim Berners-Lee

6. Current Affairs & Global Issues
- Climate Change and Global Warming
- United Nations Organisation (UNO)
- Artificial Intelligence — basics

7. Post-Independence Indian History
- Three significant events since 1947
- e.g., Green Revolution, Emergency, Economic Liberalisation 1991