



EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers

CLASS 9

Hindi : संज्ञा, सर्वनाम, विशेषण और क्रिया, काल, लिंग, वचन और कारक, वाच्य और पदबंध, संधि और समास, उपसर्ग और प्रत्यय, पर्यायवाची, विलोम, अनेकार्थी एवं श्रुतिसमभिन्नार्थक शब्द, मुहावरे और लोकोक्तियाँ, अलंकार, विराम-चिह्न, वाक्य-भेद और वाक्य-रचना, अशुद्ध वाक्य संशोधन, तार्किक क्षमता एवं व्याकरणिक समझ

English : Parts of Speech and Determiners, Tenses, Modals and Conditionals, Voice and Reported Speech, Subject-Verb Agreement and Question Tags, Clauses and Transformation of Sentences, Gerund, Infinitive and Participle, Synonyms, Antonyms, Analogies and One Word Substitution, Idioms, Proverbs, Collocations and Phrasal Verbs, Cloze Test, Choosing Appropriate Filler and Error Finding, Reading Comprehension and Judging Completeness of Process, Paragraph, Story, Letter and Notice Writing, Logical Reasoning and HOTS

Mathematics : Number System and Real Numbers, Laws of Exponents, Polynomials and Factorisation, Linear Equations in Two Variables, Geometry – Lines and Angles, Triangles and Quadrilaterals, Circles, Coordinate Geometry, Mensuration – Surface Areas and Volumes, Statistics – Bar Graph, Histogram and Frequency Polygon, Probability and Permutation-Combination, Logical Reasoning and HOTS

Science : Matter in Our Surroundings and Matter Around Us, Is Matter Around Us Pure, Atoms and Molecules, Structure of the Atom and Periodic Table, Chemical Changes and Reactions, Cell – The Fundamental Unit of Life, Tissues and Living World, Motion and Laws of Motion, Gravitation, Work, Energy and Power, Sound, Natural Resources and Environmental Management

General Knowledge : Indian Freedom Struggle, Indian Constitution and Polity, Geography – Physical Features, Climate and Environment, Science and Technology, Current Affairs (National & International), History of India and the World, Economics – Basic Concepts, Books and Authors, Awards, Honours and Sports, Countries, Capitals and Currencies, Life Skills and Critical Thinking, Logical Reasoning



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Social Studies : Harappan Civilization and Vedic Period, Mauryan, Gupta and Sangam Age, Delhi Sultanate and Mughals, French and Russian Revolutions, Nazism and Hitler, Indian Constitution and Democratic Principles, Legislature, Executive and Judiciary, Electoral Politics and Political Parties, Physical Features of India, Climate, Natural Resources and Population, Poverty, Food Security and Economic Inequality, Maps and Map Interpretation

Computer Science : Fundamentals of Computer – Hardware, Software and Memory, Number System (Binary–Decimal Conversion), Algorithms and Flowcharts, Introduction to Python Programming, Data Types, Variables and Control Structures in Python, Functions, Lists and Arrays in Python, HTML and CSS (Tables, Links and Advanced Tags), MS-Excel (Formulas, Data Tools and Auditing), MS-Access and Database Concepts, Operating Systems and Windows 11, Networking and Cyber Safety, AI, Robotics and Latest Developments in IT

Yoga and Physical Health : Concept of holistic health through Yoga, History and development of Yoga, Concept of mind–body connection, Asanas for improving muscular strength, Asanas for improving flexibility and joint mobility, Asanas for spinal and postural alignment, Detailed study of Surya Namaskar, Pranayama – technique, benefits and precautions, Role of Yoga in stress and anxiety management, Introduction to meditation and mindfulness, Yoga for emotional regulation, Yoga for improving concentration and academic performance, Introduction to Mudras and their benefits, Introduction to Bandhas and their role, Components of physical fitness and fitness assessment, Nutrition for adolescents and active students, Common lifestyle disorders and their prevention through Yoga, Safety measures and contraindications in Yoga practice



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HINDI

1. निम्नलिखित वाक्य में रेखांकित पदबंध का प्रकार पहचानिए —
“कड़ी मेहनत करने वाला विद्यार्थी ही सफलता प्राप्त करता है।”

- A) संज्ञा पदबंध
- B) क्रिया पदबंध
- C) विशेषण पदबंध
- D) क्रिया-विशेषण पदबंध

2. ‘यदि मनुष्य स्वार्थ छोड़ दे, तो समाज में शांति स्थापित हो सकती है।’
यह वाक्य किस प्रकार का है?

- A) सरल
- B) संयुक्त
- C) मिश्र
- D) संकेतवाचक

3. ‘राम द्वारा पत्र लिखा गया।’ — इस वाक्य में कौन-सा वाच्य है?

- A) कर्तृवाच्य
- B) कर्मवाच्य
- C) भाववाच्य
- D) प्रेरणार्थक वाच्य

4. ‘दिग्गज’ शब्द का सही समास-विग्रह क्या है?

- A) दिक् का गज
- B) दिशाओं में गमन करने वाला गज
- C) जो दिशाओं का गज हो
- D) दिक् और गज

5. ‘जलज’ शब्द में प्रयुक्त प्रत्यय का अर्थ है —

- A) उत्पन्न होने वाला
- B) नष्ट होने वाला
- C) जल में रहने वाला
- D) जल से अलग



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HINDI

6. निम्नलिखित में कौन-सा वाक्य पूर्णतः शुद्ध है?

- A) प्रत्येक विद्यार्थियों को समय का मूल्य समझना चाहिए।
- B) उसने मुझे और मेरे मित्र को बुलाया।
- C) मुझे आपकी बातें अच्छी लगीं।
- D) वे दोनों मित्र बाजार गया।

7. कथन:

- (i) सभी विद्वान विनम्र हैं।
- (ii) कुछ विनम्र व्यक्ति कलाकार हैं।
- (iii) कोई कलाकार अहंकारी नहीं है।

निष्कर्ष:

- A) कुछ कलाकार अहंकारी नहीं हैं।
- B) सभी विद्वान कलाकार हैं।
- C) कोई विद्वान अहंकारी नहीं है।
- D) कुछ कलाकार विद्वान हैं।

8. 'नाक कटना' मुहावरे का सही अर्थ क्या है?

- A) घायल होना
- B) सम्मान नष्ट होना
- C) क्रोधित होना
- D) भयभीत होना

9. निम्नलिखित में श्रुतिसमभिन्नार्थक शब्दों का सही युग्म कौन-सा है?

- A) कुल - कूल
- B) दिन - दिवस
- C) जल - नीर
- D) रात्रि - निशा

10. सही विराम-चिह्न वाला वाक्य चुनिए —

- A) गुरु ने कहा "परिश्रम ही सफलता की कुंजी है।"
- B) गुरु ने कहा, "परिश्रम ही सफलता की कुंजी है।"
- C) गुरु ने कहा "परिश्रम, ही सफलता की कुंजी है।"
- D) गुरु ने कहा, "परिश्रम, ही सफलता की कुंजी है।"

Answers: C, C, B, B, A, B, A, B, A, B



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ENGLISH

1. Choose the sentence with correct use of the subjunctive mood.

- A) If I was the principal, I would change the rules.
- B) If I were the principal, I would change the rules.
- C) If I am the principal, I would change the rules.
- D) If I had been the principal, I will change the rules.

2. Identify the sentence containing a reduced relative clause.

- A) The boy who is standing there is my cousin.
- B) The boy standing there is my cousin.
- C) The boy stood there is my cousin.
- D) The standing boy there is my cousin.

3. Choose the grammatically correct transformation:

“Hardly had the train arrived when it started raining.”

- A) No sooner the train arrived than it started raining.
- B) As soon as the train arrived, it started raining.
- C) Hardly the train had arrived when it started raining.
- D) The train arrived because it started raining.

4. Which sentence contains a non-finite verb functioning as a gerund?

- A) To walk daily is beneficial.
- B) Walking daily improves health.
- C) He walked daily to school.
- D) He is walking daily.

5. One word substitution for:

“A speech delivered without preparation.”

- A) Dialogue
- B) Monologue
- C) Extempore
- D) Debate

6. Fill in the blank with the most suitable phrasal verb:

“The meeting was ____ due to unavoidable circumstances.”

- A) put off
- B) put out
- C) put up
- D) put in



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Sample Papers

Class 9

ENGLISH

7. Choose the sentence with correct question tag.
"Few students understood the theorem, ____?"

- A) did they
- B) didn't they
- C) do they
- D) don't they

8. Statement:
All jurists are scholars.
Some scholars are diplomats.
No diplomat is careless.
Conclusion:

- A) Some scholars are not careless
- B) All scholars are jurists
- C) Some diplomats are jurists
- D) No jurist is careless

9. Choose the correctly spelled word.

- A) Connoisseur
- B) Connoiseur
- C) Connosieur
- D) Connoiser

10. In a certain code language:

PENCIL → QFODJM

MARKER → NBSLFS

Then ERASER → ?

- A) FSBTFS
- B) FSBTFR
- C) GRCTGT
- D) FSBUFS

Answers: B, B, B, B, C, A, A, A, A, A



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Sample Papers *Class 9*

MATHEMATICS

1. Solve, $\sqrt{5 + \sqrt{16}} + \sqrt{81}$

- A) 10
- B) 11
- C) 12
- D) 13

2. Factorise completely: $x^2 - 9x + 20$

- A) $(x-4)(x-5)(x-4)(x-5)(x-4)(x-5)$
- B) $(x+4)(x+5)(x+4)(x+5)(x+4)(x+5)$
- C) $(x-10)(x+2)(x-10)(x+2)(x-10)(x+2)$
- D) $(x-2)(x-7)(x-2)(x-7)(x-2)(x-7)$

3. The point $(3, -5)(3, -5)(3, -5)$ lies in which quadrant?

- A) I
- B) II
- C) III
- D) IV

4. If one angle of a parallelogram is 65° , its adjacent angle is:

- A) 65°
- B) 90°
- C) 115°
- D) 125°

5. The curved surface area of a cone is given by:

If $r=7$ cm and $l=10$ cm, find CSA.

- A) 110 cm^2
- B) 154 cm^2
- C) 220 cm^2
- D) 440 cm^2



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Sample Papers *Class 9*

MATHEMATICS

6. A die is thrown once. Probability of getting a number greater than 4 is:

- A) $1/6$
- B) $1/3$
- C) $1/2$
- D) $2/3$

7. Simplify using exponent laws: $\frac{2^5 \times 2^3}{2^4}$

- A) 2 raise to 2
- B) 2 raise to 3
- C) 2 raise to 4
- D) 2 raise to 5

8 Find the next term in the series:

3, 7, 15, 31, 63, ?

- A) 95
- B) 111
- C) 127
- D) 135

9. If the mean of 5 observations is 24, their total sum is:

- A) 100
- B) 110
- C) 120
- D) 130

10. In how many ways can 2 students be selected from 8 students?

$${}^nC_r = \frac{n!}{r!(n-r)!}$$

- A) 16
- B) 24
- C) 28
- D) 32

Answers: C, A, D, C, C, B, C, C, C, C



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Sample Papers *Class 9*

SCIENCE

1. Which statement best explains Brownian motion?

- A) Motion caused by gravity only
- B) Random movement of particles due to collision with molecules
- C) Circular movement of atoms
- D) Motion caused by magnetic force

2. Which isotope is commonly used in the treatment of cancer?

- A) Carbon-12
- B) Uranium-235
- C) Cobalt-60
- D) Hydrogen-1

3. Which of the following is a homogeneous mixture?

- A) Soil
- B) Smoke
- C) Salt solution
- D) Milk

4. Which scientist proposed the planetary model of the atom?

- A) Dalton
- B) Rutherford
- C) Thomson
- D) Chadwick

5. According to Newton's Third Law:

For every action, there is an equal and opposite reaction. For every action, there is an equal and opposite reaction. For every action, there is an equal and opposite reaction.

Which example best illustrates this law?

- A) Falling of an apple
- B) Rocket propulsion
- C) Rusting of iron
- D) Melting of wax



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Sample Papers *Class 9*

SCIENCE

6. The SI unit of work is:

- A) Watt
- B) Joule
- C) Newton
- D) Pascal

7. A body of mass 10 kg moving with velocity 5 m/s has kinetic energy:

- A) 100 J
- B) 125 J
- C) 150 J
- D) 250 J

8. Which property of sound is responsible for the quality or timbre of sound?

- A) Amplitude
- B) Frequency
- C) Waveform
- D) Velocity

9. Assertion (A): Deforestation increases soil erosion.

Reason (R): Roots of trees help bind soil particles together.

- A) Both A and R are true and R explains A
- B) Both A and R are true but R does not explain A
- C) A is true but R is false
- D) A is false but R is true

10. Which gas is mainly responsible for depletion of the ozone layer?

- A) Oxygen
- B) Carbon dioxide
- C) Chlorofluorocarbons
- D) Nitrogen

Answers: B, C, C, B, B, B, B, C, A, C



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Sample Papers *Class 9*

GENERAL KNOWLEDGE

1. Who founded the Forward Bloc in 1939?
A) Jawaharlal Nehru
B) Mahatma Gandhi
C) Subhas Chandra Bose
D) Vallabhbhai Patel

2. Which Article of the Indian Constitution deals with the Right to Constitutional Remedies?
A) Article 14
B) Article 19
C) Article 21
D) Article 32

3. Which ocean current is responsible for warming the western coast of Europe?
A) Labrador Current
B) Gulf Stream
C) Canary Current
D) Humboldt Current

4. Which organisation is known as the "World Bank"?
A) IMF
B) IBRD
C) WTO
D) ADB

5. Which scientist discovered the neutron?
A) Rutherford
B) Bohr
C) Chadwick
D) Thomson



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Sample Papers *Class 9*

GENERAL KNOWLEDGE

6. Which book was written by Niccolò Machiavelli?
- A) Republic
 - B) The Prince
 - C) Utopia
 - D) Leviathan
7. Current Affairs Pattern:
Which country became the newest member of BRICS in 2024?
- A) Egypt
 - B) Spain
 - C) Japan
 - D) Germany
8. Find the odd one out.
- A) ASEAN
 - B) SAARC
 - C) NATO
 - D) UNICEF
9. Which currency is used in South Korea?
- A) Yen
 - B) Yuan
 - C) Won
 - D) Ringgit
10. If INDIA = 35 and CHINA = 35 using letter positions, then
NEPAL = ?
- A) 44
 - B) 48
 - C) 52
 - D) 56

Answers: C, D, B, B, C, B, A, D, C, B



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Sample Papers

Class 9

SOCIAL STUDIES

1. Which Harappan site is famous for its dockyard?
A) Harappa
B) Mohenjo-daro
C) Lothal
D) Dholavira

2. The Gupta Age is often referred to as the:
A) Age of Industrialisation
B) Golden Age of India
C) Age of Exploration
D) Vedic Age

3. Who among the following introduced the Mansabdari system?
A) Babur
B) Humayun
C) Akbar
D) Aurangzeb

4. Which event marked the beginning of the French Revolution?
A) Storming of the Bastille
B) Tennis Court Oath
C) Reign of Terror
D) Execution of Louis XVI

5. Nazism in Germany was primarily associated with:
A) Benito Mussolini
B) Adolf Hitler
C) Lenin
D) Stalin



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Sample Papers *Class 9*

SOCIAL STUDIES

6. Which feature is essential for democracy?
- A) Military rule
 - B) Rule of law
 - C) Hereditary monarchy
 - D) Dictatorship
7. Which branch of government executes laws?
- A) Legislature
 - B) Judiciary
 - C) Executive
 - D) Election Commission
8. Which type of rainfall is most common in India during the monsoon?
- A) Cyclonic rainfall
 - B) Convectional rainfall
 - C) Orographic rainfall
 - D) Artificial rainfall
9. Assertion (A): Poverty can lead to malnutrition.
Reason (R): Poor families often cannot afford balanced diets.
- A) Both A and R are true and R explains A
 - B) Both A and R are true but R does not explain A
 - C) A is true but R is false
 - D) A is false but R is true
10. Which type of map uses contour lines to represent relief features?
- A) Political map
 - B) Topographical map
 - C) Climatic map
 - D) Population map

Answers: C, B, C, A, B, B, C, C, A, B



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Sample Papers *Class 9*

COMPUTER SCIENCE

1. Convert decimal 45 into binary form.

- A) 101101
- B) 110101
- C) 111001
- D) 100111

2. Which control structure repeatedly executes a block of statements while a condition remains true?

- A) Sequence
- B) Selection
- C) Loop
- D) Function

3. What will be the output of the following Python code?

```
x = [2,4,6]  
print(x[-1])
```

- A) 2
- B) 4
- C) 6
- D) Error

4. Which keyword is used to define a function in Python?

- A) define
- B) function
- C) def
- D) fun

5. Which HTML tag is used to create a hyperlink?

- A) <link>
- B) <a>
- C) <href>
- D) <url>



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Sample Papers *Class 9*

COMPUTER SCIENCE

6. In Excel, which function counts numerical entries only?

- A) COUNT
- B) COUNTA
- C) SUM
- D) AVERAGE

7. Which operating system is open-source?

- A) Windows 11
- B) Linux
- C) macOS
- D) MS-DOS

8. Which networking device connects multiple networks together?

- A) Switch
- B) Hub
- C) Router
- D) Repeater

9. Which cyberattack floods a server with excessive traffic to disrupt services?

- A) Phishing
- B) DDoS attack
- C) Hacking
- D) Spamming

10. Which branch of AI enables machines to interpret visual information?

- A) NLP
- B) Robotics
- C) Computer Vision
- D) Data Mining

Answers: A, C, C, C, B, A, B, C, B, C



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YOGA AND PHYSICAL HEALTH

1. The concept of “mind–body connection” in Yoga primarily emphasizes:
A) Separation of physical and mental health
B) Interaction between mental states and bodily functions
C) Physical exercise only
D) Spiritual rituals only

2. Which category of asanas is MOST effective for improving postural alignment?
A) Twisting and balancing asanas
B) Running exercises
C) Weightlifting drills
D) Sprint training

3. Detailed practice of Surya Namaskar primarily combines:
A) Static stretching only
B) Breathing coordination with dynamic postures
C) Meditation without movement
D) Strength training only

4. Which pranayama practice is generally recommended for calming anxiety and stress?
A) Fast forceful breathing only
B) Deep rhythmic breathing
C) Heavy aerobic exercise
D) Competitive sports

5. Mindfulness meditation mainly improves:
A) Emotional regulation and awareness
B) Bone density
C) Height growth
D) Reflex speed only



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Class 9

YOGA AND PHYSICAL HEALTH

6. Which mudra is commonly associated with improved concentration during meditation?

- A) Gyan Mudra
- B) Surya Mudra
- C) Vayu Mudra
- D) Prithvi Mudra

7. Bandhas are primarily practiced for:

- A) Energy regulation and muscular locks
- B) Increasing body weight
- C) Competitive flexibility
- D) Rapid muscle gain only

8. Which nutrient is most important for maintaining healthy bones during adolescence?

- A) Vitamin C
- B) Calcium
- C) Iron
- D) Carbohydrates

9. Assertion (A): Regular Yoga practice can improve academic performance.

Reason (R): Yoga enhances concentration, stress management and emotional balance.

- A) Both A and R are true and R explains A
- B) Both A and R are true but R does not explain A
- C) A is true but R is false
- D) A is false but R is true

10. Which fitness component is directly associated with the ability to sustain prolonged physical activity?

- A) Coordination
- B) Balance
- C) Endurance
- D) Agility

Answers: B, A, B, B, A, A, A, B, A, C