



EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers

CLASS 8

Hindi

संज्ञा, सर्वनाम, विशेषण और क्रिया, काल, लिंग और वचन, समास, संधि, उपसर्ग और प्रत्यय, पर्यायवाची, विलोम, अनेकार्थक एवं श्रुतिसमभिन्नार्थक शब्द, मुहावरे और लोकोक्तियाँ, अलंकार, विराम-चिह्न एवं वाक्यों की अशुद्धि संशोधन, तर्कणिक क्षमता

English

Parts of Speech, Determiners and Subject-Verb Agreement, Tenses, Voice and Narration, Gerund, Infinitive and Participle, Clauses and Transformation of Sentences, Synonyms, Antonyms, One Word Substitution and Vocabulary, Cloze Test, Choosing Appropriate Filler and Sentence Improvement, Reading Comprehension and Judging Completeness of Process, Logical Reasoning and HOTS

Mathematics

Rational Numbers, Squares and Square Roots, Algebraic Expressions, Identities and Linear Equations, Comparing Quantities, Percentage, Discount and Taxes, Direct and Inverse Proportion, Mensuration – Surface Area and Volume, Data Handling – Graphs, Pie Charts and Probability, Exponents and Powers, Reasoning and HOTS

Science

Crop Production, Microorganisms and Conservation of Plants and Animals, Matter in Our Surroundings and Properties of Substances, Force, Pressure and Friction, Sound, Light and Some Natural Phenomena, Chemical Effects of Electric Current, Coal, Petroleum and Combustion, Reproduction and Reaching the Age of Adolescence, Ecosystem, Pollution and Environmental Conservation,



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General Knowledge

Indian Freedom Struggle and Modern Indian History, Indian Constitution, Polity and Elections, Geography – Physical Features, Climate and Environment, Science and Technology, International Organisations, Awards and Honours, Current Affairs (National & International), Books and Authors, Logical Reasoning

Social Studies

British Rule in India and Freedom Movement, Revolt of 1857 and Expansion of Company Rule, Indian Constitution, Parliament and Secularism, Judiciary, Human Rights and UNO, Natural Resources and Conservation, Agriculture, Industries and Economic Activities, Population, Vegetation and Wildlife, Maps and Map Interpretation

Computer Science

Algorithms and Flowcharts (Advanced Symbols), Number System and Operating Systems, MS-Excel (Formulas, Functions and Data Handling), HTML and CSS (Lists, Links and Attributes), MS-Access (Database Concepts), Networking and Cyber Safety (Cyber Crimes & Laws), AI, Robotics and Latest Developments in IT, Logical Reasoning and HOTS

Yoga and Physical Health

Concept and scope of Yoga as a lifestyle, Principles of Yoga practice (discipline, regularity, safety), Benefits and limitations of Yogic practices, Asanas for strength, balance and flexibility, Asanas for spinal health, Pranayama – types and benefits, Role of Yoga in emotional balance, Introduction to meditation and relaxation, Yoga for managing exam stress, Role of nutrition in physical health, Components of physical fitness, Postural deformities and corrective exercises, Healthy lifestyle and sleep habits, Prevention of common lifestyle problems in adolescents, Yoga for self-confidence and self-control



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HINDI

1. निम्नलिखित गद्यांश पढ़कर प्रश्न का उत्तर दीजिए —

“मनुष्य को अपने समय का सदुपयोग करना चाहिए, क्योंकि बीता हुआ समय कभी लौटकर नहीं आता।”

उपर्युक्त वाक्य में प्रयुक्त ‘सदुपयोग’ शब्द में कौन-सा उपसर्ग है?

- A) सम्
- B) सत्
- C) सद
- D) सु

2. ‘नीलकण्ठ’ शब्द का अर्थ किस समास-विग्रह से स्पष्ट होता है?

- A) नीला है जो कण्ठ
- B) नीला और कण्ठ
- C) जिसका कण्ठ नीला है
- D) कण्ठ का नीला

3. ‘जलद’ और ‘जलद’ में अर्थ-भेद किस कारण है?

- A) विलोम
- B) अनेकार्थकता
- C) श्रुतिसमभिन्नार्थकता
- D) पर्यायवाचिता

4. निम्न में से किस विकल्प में मुहावरे का सही प्रयोग हुआ है?

- A) उसने आँखों का तारा खा लिया।
- B) सैनिकों ने मैदान छोड़ दिया।
- C) वह परीक्षा में पानी-पानी हो गया।
- D) उसने अपने मित्र की आँखों में धूल झाँक दी।

5. ‘कनक-कनक ते सौ गुनी’ में प्रयुक्त अलंकार पहचानिए।

- A) श्लेष
- B) यमक
- C) उपमा
- D) रूपक



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6. निम्नलिखित वाक्यों में से कौन-सा पूर्णतः शुद्ध है?

- A) प्रत्येक बालक अपने पुस्तकों को सँभालो।
- B) विद्यार्थियों ने समय पर उत्तर लिख दिए।
- C) मुझे यह समाचार सुनकर प्रसन्नता हुई।
- D) तुम में से कोई छात्राएँ आएँगी।

7. कथन:

- (i) सभी कवि संवेदनशील हैं।
- (ii) कुछ संवेदनशील व्यक्ति दार्शनिक हैं।
- (iii) कोई दार्शनिक क्रूर नहीं है।

निष्कर्ष:

- A) कुछ कवि क्रूर नहीं हैं
- B) कुछ दार्शनिक संवेदनशील हैं
- C) सभी संवेदनशील कवि हैं
- D) कोई कवि दार्शनिक नहीं है

8. 'अविनाशी' शब्द में प्रत्यय कौन-सा है?

- A) अव
- B) अ
- C) ई
- D) शी

9. निम्नलिखित में विराम-चिह्नों का सही प्रयोग किसमें हुआ है?

- A) राम ने कहा "मैं कल दिल्ली जाऊँगा।"
- B) राम ने कहा, "मैं कल दिल्ली जाऊँगा।"
- C) राम ने कहा "मैं, कल दिल्ली जाऊँगा।"
- D) राम ने कहा, "मैं, कल दिल्ली जाऊँगा।"

10. यदि 'कलम' को 'पुस्तक', 'पुस्तक' को 'विद्यालय', 'विद्यालय' को 'शिक्षक' कहा जाए, तो विद्यार्थी किससे लिखेगा?

- A) कलम
- B) पुस्तक
- C) विद्यालय
- D) शिक्षक

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



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ENGLISH

1. Read the sentence carefully:

"Neither the captain nor the players were willing to accept defeat."
Why is "were" correctly used here?

- A) Verb agrees with the first subject
- B) Verb agrees with the nearest subject
- C) Verb agrees with plural nouns only
- D) Verb agrees with captain

2. Choose the option where the underlined phrase acts as a gerund:

- A) I like to swim in winter.
- B) Swimming is good exercise.
- C) He went to swimming yesterday.
- D) She was swimming quickly.

3. Which transformation is grammatically correct?

"As soon as the teacher entered, the students became silent."

- A) No sooner did the teacher enter when the students became silent.
- B) Hardly had the teacher entered than the students became silent.
- C) No sooner had the teacher entered than the students became silent.
- D) Scarcely the teacher entered when the students became silent.

4. Identify the type of subordinate clause:

"I know why he was absent."

- A) Adjective clause
- B) Noun clause
- C) Adverb clause
- D) Principal clause

5. Choose the sentence with correct narration.

He said, "Alas! I have lost my wallet."

- A) He exclaimed sadly that he had lost his wallet.
- B) He said sadly that I lost my wallet.
- C) He exclaimed with joy that he had lost his wallet.
- D) He said that he lost his wallet yesterday.



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ENGLISH

6. Fill in the blank with the most suitable option:

"Had the weather been favourable, the match ____ completed on time."

- A) will be
- B) would have been
- C) would be
- D) has been

7. In the sentence "The book that you gifted me is fascinating," the clause "that you gifted me" functions as:

- A) Noun clause
- B) Adverb clause
- C) Adjective clause
- D) Principal clause

8. Statement:

All astronomers are mathematicians.

Some mathematicians are philosophers.

Conclusion:

- A) Some philosophers are astronomers
- B) All philosophers are astronomers
- C) All astronomers are mathematicians
- D) No mathematician is a philosopher

9. Choose the correctly spelled word.

- A) Conscientious
- B) Consientious
- C) Consciencious
- D) Consientous

10. In a certain code language,

FLOWER → GMPXFS

GARDEN → HBSEFO

Then SCHOOL → ?

- A) TDIPPM
- B) TDHOOL
- C) TDIPQN
- D) TDJQPM

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



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Sample Papers *Class 8*

MATHEMATICS

1. If $\sqrt{1225} + \sqrt{144} - \sqrt{81} = ?$

- A) 38
- B) 40
- C) 42
- D) 44

2. Simplify: $(5a - 3b)^2 - (5a + 3b)^2$

- A) $-30ab - 30ab - 30ab$
- B) $-60ab - 60ab - 60ab$
- C) $60ab - 60ab - 60ab$
- D) $30ab - 30ab - 30ab$

3. Solve for x:

$$\frac{2x + 5}{3} - \frac{x - 1}{2} = 7$$

- A) 11
- B) 13
- C) 15
- D) 17

4. A trader marks an article 50% above cost price and allows successive discounts of 20% and 10%. Find the overall profit percentage.

- A) 5%
- B) 8%
- C) 10%
- D) 12%

5. If 18 men can complete a work in 24 days, how many men are required to complete the same work in 16 days?

- A) 24
- B) 27
- C) 30
- D) 36



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Sample Papers *Class 8*

MATHEMATICS

6. A cylindrical tank has radius 7 cm and height 20 cm. Its curved surface area is:
- A) 440 cm^2
B) 660 cm^2
C) 880 cm^2
D) 990 cm^2
7. A box contains 4 white, 5 black and 3 red balls. One ball is drawn at random. What is the probability that it is neither white nor red?
- A) $1/4$
B) $5/12$
C) $3/4$
D) $7/12$
8. Simplify:
- A) 81
B) 243
C) 729
D) 2187
- $$3^4 \times 9^2 \div 27$$
9. Find the next term:
1, 4, 13, 40, 121, ?
- A) 242
B) 364
C) 365
D) 366
10. In a class, the mean marks of 9 students is 68. If one student with 72 marks leaves and another student joins, the mean becomes 70. Find the marks of the new student.
- A) 86
B) 88
C) 90
D) 92

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



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Sample Papers

Class 8

SCIENCE

1. A farmer adds nitrogen-rich fertilizers to soil mainly because nitrogen is essential for:
 - A) Root absorption only
 - B) Protein synthesis in plants
 - C) Water transport
 - D) Flower colour

2. Why do gases exert pressure on the walls of a container?
 - A) Due to gravitational force only
 - B) Due to collisions of particles with container walls
 - C) Due to absence of intermolecular space
 - D) Due to fixed particle positions

3. A sharp needle pierces skin more easily because it:
 - A) Increases force
 - B) Decreases pressure
 - C) Concentrates force over smaller area
 - D) Reduces friction completely

4. Which property of sound determines its pitch?
 - A) Wavelength
 - B) Amplitude
 - C) Frequency
 - D) Velocity

5. Lightning conductors are installed on buildings mainly to:
 - A) Increase electric charge
 - B) Prevent damage due to lightning
 - C) Attract thunderstorms
 - D) Produce electricity



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Sample Papers *Class 8*

SCIENCE

6. During electroplating of copper on iron, the copper plate is connected to:
- A) Negative terminal
 - B) Positive terminal
 - C) Neutral wire
 - D) Earth wire
7. Which fuel among the following is considered the cleanest?
- A) Coal
 - B) Petrol
 - C) CNG
 - D) Wood
8. During adolescence, which gland becomes highly active in regulating growth and hormonal changes?
- A) Thyroid gland
 - B) Pituitary gland
 - C) Salivary gland
 - D) Sweat gland
9. Assertion (A): Plastics create environmental problems.
Reason (R): Plastics are non-biodegradable.
- A) Both A and R are true and R correctly 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. If all producers are plants and algae are producers, then algae are:
- A) Consumers
 - B) Plants/producers
 - C) Decomposers
 - D) Parasites

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



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Sample Papers *Class 8*

GENERAL KNOWLEDGE

1. Arrange the following events chronologically:

- (i) Quit India Movement
- (ii) Non-Cooperation Movement
- (iii) Civil Disobedience Movement
- (iv) Jallianwala Bagh Massacre

- A) iv, ii, iii, i
- B) ii, iv, iii, i
- C) iv, iii, ii, i
- D) ii, iii, iv, i

2. Which Constitutional body conducts elections in India?

- A) UPSC
- B) Finance Commission
- C) Election Commission
- D) NITI Aayog

3. Which mountain range acts as a climatic barrier preventing cold winds from Central Asia?

- A) Aravalli
- B) Western Ghats
- C) Himalayas
- D) Vindhyas

4. Match the following:

List I — Organisation

- (a) WHO
- (b) UNESCO
- (c) IMF

- A) a-iii, b-i, c-ii
- B) a-i, b-ii, c-iii
- C) a-ii, b-iii, c-i
- D) a-iii, b-ii, c-i

List II — Function

- (i) Education & Culture
- (ii) Monetary Stability
- (iii) Global Health

5. Which Indian scientist is associated with the “Missile Man of India” title?

- A) Vikram Sarabhai
- B) Homi Bhabha
- C) A.P.J. Abdul Kalam
- D) C.V. Raman



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Sample Papers *Class 8*

GENERAL KNOWLEDGE

6. Which novel was written by George Orwell?

- A) Animal Farm
- B) The Guide
- C) Discovery of India
- D) Gitanjali

7. Current Affairs Pattern:

Which mission is India's first human spaceflight programme?

- A) Chandrayaan
- B) Aditya-L1
- C) Gaganyaan
- D) Mangalyaan

8. Find the odd one out.

- A) WTO
- B) UNESCO
- C) UNICEF
- D) NASA

9. Which line of latitude is located at $23\frac{1}{2}^{\circ}$ North?

- A) Equator
- B) Tropic of Cancer
- C) Arctic Circle
- D) Prime Meridian

10. If INDIA = 35 and JAPAN = 46 using letter positions, then BRAZIL = ?

- A) 68
- B) 70
- C) 75
- D) 78

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



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Sample Papers *Class 8*

SOCIAL STUDIES

1. Match the following correctly:

List I

- (a) Doctrine of Lapse
- (b) Subsidiary Alliance
- (c) Permanent Settlement

List II

- (i) Lord Wellesley
- (ii) Lord Dalhousie
- (iii) Lord Cornwallis

- A) a-ii, b-i, c-iii
- B) a-i, b-ii, c-iii
- C) a-iii, b-ii, c-i
- D) a-ii, b-iii, c-i

2. The Revolt of 1857 is often called the “First War of Independence” because:

- A) It was limited to soldiers only
- B) It united various sections against British rule
- C) It was fought only in Delhi
- D) It ended British rule immediately

3. Which organ of government interprets laws and safeguards Fundamental Rights?

- A) Legislature
- B) Executive
- C) Judiciary
- D) Election Commission

4. The Right to Constitutional Remedies was termed the “heart and soul” of the Constitution by:

- A) Mahatma Gandhi
- B) Jawaharlal Nehru
- C) B.R. Ambedkar
- D) Rajendra Prasad

5. Which UN agency specifically works for labour rights and welfare?

- A) UNESCO
- B) WHO
- C) ILO
- D) IMF



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Sample Papers *Class 8*

SOCIAL STUDIES

6. Black soil is most suitable for cultivation of:

- A) Rice
- B) Cotton
- C) Tea
- D) Wheat

7. Which industry is classified as a basic industry because it supports many other industries?

- A) Sugar industry
- B) Cement industry
- C) Iron and steel industry
- D) Textile industry

8. Topographical maps mainly show:

- A) Political boundaries only
- B) Physical features with elevation details
- C) Population density only
- D) Climatic regions only

9. Assertion (A): Renewable resources can be replenished naturally.

Reason (R): Coal is a renewable resource.

- A) Both A and R are true
- B) Both A and R are false
- C) A is true but R is false
- D) A is false but R is true

10. Which forest type is commonly found in regions receiving less than 70 cm rainfall?

- A) Evergreen forest
- B) Thorn forest
- C) Mangrove forest
- D) Montane forest

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



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Sample Papers *Class 8*

COMPUTER SCIENCE

1. Convert the binary number 1011012101101_21011012 into decimal form.
A) 43
B) 45
C) 47
D) 49
2. In a flowchart, which symbol is generally used for conditional branching?
A) Oval
B) Rectangle
C) Diamond
D) Cylinder
3. Which Excel formula will correctly calculate the average of cells A1 to A10?
A) =MEAN(A1:A10)
B) =AVG(A1:A10)
C) =AVERAGE(A1:A10)
D) =TOTAL(A1:A10)
4. Which HTML code correctly creates a hyperlink opening in a new tab?
A) Link
B) Link
C) <link href="url">
D) Link
5. Which CSS property controls the external spacing around an element?
A) padding
B) border
C) margin
D) spacing



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Sample Papers *Class 8*

COMPUTER SCIENCE

6. In a relational database, a foreign key is mainly used to:
- A) Delete duplicate data
 - B) Establish relationship between tables
 - C) Encrypt records
 - D) Create charts
7. Which cybercrime specifically involves sending fraudulent emails to steal confidential data?
- A) Hacking
 - B) Phishing
 - C) Spamming
 - D) Cracking
8. Which network topology fails completely if the central hub fails?
- A) Ring
 - B) Bus
 - C) Star
 - D) Mesh
9. In a certain code language, COMPUTER is coded as RFUVQNPC. How will KEYBOARD be coded?
- A) ESPCBZFL
 - B) ESPDZBFL
 - C) DRBOYEK
 - D) FTRCBAGM
10. Which AI technology enables computers to identify faces, objects and patterns in images?
- A) Cloud Computing
 - B) Natural Language Processing
 - C) Computer Vision
 - D) Data Encryption

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



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YOGA AND PHYSICAL HEALTH

1. Assertion (A): Regular Yoga practice improves emotional stability.

Reason (R): Yoga helps regulate breathing and relaxation responses.

- 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

2. Which combination of Yogic practices is most effective for improving spinal flexibility and posture?

- A) Meditation + sleep
- B) Backward bending asanas + stretching
- C) Sprinting + weightlifting
- D) Running + jumping

3. Which pranayama practice primarily improves control over inhalation and exhalation rhythm?

- A) Deep diaphragmatic breathing
- B) Push-ups
- C) Cycling
- D) Fast sprinting

4. Meditation is most closely associated with activation of which aspect of health?

- A) Emotional and mental balance
- B) Bone density
- C) Hair growth
- D) Muscular bulk only

5. Which nutrient is most important for haemoglobin formation and prevention of fatigue?

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



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YOGA AND PHYSICAL HEALTH

6. Kyphosis is characterized by:

- A) Forward rounding of upper back
- B) Excess inward curve of lower back
- C) Curvature of legs
- D) Flat feet only

7. Which daily habit is most likely to improve hormonal balance and physical recovery in adolescents?

- A) Late-night screen exposure
- B) Irregular sleep schedule
- C) Adequate sleep and balanced nutrition
- D) Skipping meals frequently

8. If Yoga improves concentration and concentration improves decision-making ability, then Yoga may help in improving:

- A) Decision-making ability
- B) Reflex speed only
- C) Height growth
- D) Eye colour

9. Find the odd one out.

- A) Flexibility
- B) Balance
- C) Endurance
- D) Pollution

10. Which component of fitness is MOST directly improved through regular Surya Namaskar and aerobic Yogic sequences?

- A) Cardiovascular endurance
- B) Hair strength
- C) Finger flexibility only
- D) Hearing ability

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