



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

## Sample Papers

### CLASS 10

**Hindi :** संज्ञा, सर्वनाम, विशेषण और क्रिया, काल, लिंग, वचन और कारक, वाच्य, पदबंध और पद-परिचय, संधि और समास, उपसर्ग और प्रत्यय, पर्यायवाची, विलोम, अनेकार्थक एवं श्रुतिसमभिन्नार्थक शब्द, मुहावरे और लोकोक्तियाँ, अलंकार, विराम-चिह्न और अशुद्ध वाक्य संशोधन, वाक्य-भेद और वाक्य-रचना, तार्किक क्षमता और व्याकरणिक समझ, निबंध/पिबंध, अपठित गद्यांश और अपठित पद्यांश

**English :** Parts of Speech, Articles, Determiners, Tenses, Modals, Auxiliary Verbs, Conditionals, Voice, Reported Speech, Question Forms, Concord, Clauses, Transformation of Sentences, Sentence Improvement, Gerund, Infinitive, Participle, Synonyms, Antonyms, Homonyms, One Word Substitution, Idioms, Proverbs, Collocations, Phrasal Verbs, Jumbled Words, Jumbled Sentences, Sequence of Sentences, Reading Comprehension, Cloze Test, Error Finding, Paragraph, Story, Letter, Notice, Essay Writing, Vocabulary related to Social, Travel, Workplace, Weather, Global Issues, Logical Reasoning, HOTS Based Questions

### Mathematics

Real Numbers, Rational and Irrational Numbers, Polynomials and Factorisation, Pair of Linear Equations in Two Variables, Quadratic Equations and Arithmetic Progressions, Geometry – Triangles, Circles, Coordinate Geometry, Similar Figures and Similarity of Triangles, Introduction & Applications of Trigonometry, Mensuration – Surface Areas and Volumes, Areas Related to Circles, Statistics – Mean, Mode, Median; Probability, Tangent to a Circle, Distance and Section Formula, Height & Distance, Algebraic Expressions, Comparing Quantities, Probability of Events, Reasoning and HOTS Based Questions

### Science

Chemical Reactions and Equations, Acids, Bases, Salts, Metals, Non-Metals, Carbon and Its Compounds, Life Processes, Control and Coordination, Reproduction in Organisms, Heredity and Evolution, Light – Reflection, Refraction, Human Eye, Colourful World, Electricity and Magnetic Effects of Current, Electromagnetism, Force, Work, Power, Energy, Heat and Temperature, Heat Transfer, Our Environment and Its Management, Natural Resources, Matter, Chemical Bonding, Mole Concept, Periodic Table, Biological Diversity, Cell Biology, Transport in Plants & Animals, Reasoning and HOTS Based Questions



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

## *Sample Papers*

### **CLASS 10**

#### **General Knowledge**

Indian Freedom Struggle, Indian Constitution, Polity, Democracy, Governance, Geography – Physical Features, Climate, Environment, History – India & World, Important Years, Slogans, Science and Technology, Current Affairs, Economy – Basics, Money & Credit, Globalization, Life Skills – Critical Thinking, Decision Making, Coping with Stress, Books, Authors, Awards and Honours, Countries, Capitals & Currencies, National Parks and Environmental Awareness, Media, Language and Literature, Logical Reasoning and Quantitative Aptitude

#### **Social Studies**

British Rule in India, National Movement, Era of Gandhi, Great Revolt of 1857, Partition of Bengal, Muslim League, Post-Independence India, Political Development of 20th Century, Imperialism, World Wars I & II, Fascism, Nazism, UNO, European Union, Constitution of India, Democracy and Diversity, Gender, Religion, Caste, Legislature, Judiciary, Executive, Electoral Process, Sectors of Indian Economy, Industrialization, Minerals and Energy, Agriculture, Forest, Wildlife, Water Conservation, Waste Management, Globalization, Trade, Money and Credit, Geography – Earth, Atmosphere, Hydrosphere, Lithosphere, Regions, Climate, Evolution of Print Culture and Post-War Economic Development, Human Rights, Consumer Rights, Challenges to Democracy

#### **Computer Science**

Fundamentals of Computers – Hardware, Software, Input/Output Devices, Memory & Storage Devices, Basics of IT, Number System, Operating Systems and Windows 11, MS-Word – Advanced Features (Track Changes, References, Protection), MS-Excel – Formulas, Functions, Data Tools, Protecting Worksheets, MS-PowerPoint – Advanced Presentation Features, Networking, Internet, Web Services, Mobile Technologies, HTML & CSS – Basics, Forms, Tables, Multimedia, Links, Programming in Scratch and Visual Basic, Programming in Python 3.13 – Data Types, Control Structures, Functions, Lists, Arrays, Cyber Safety, Cyber Ethics, Software Licenses, Intellectual Property Rights, AI, Robotics, IT Gadgets, Latest Developments in IT, HOTS



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## *Sample Papers*

### **CLASS 10**

#### **Yoga and Physical Health**

Concept of Yoga as a preventive and promotive health system, Yoga and mental health – overview, Scientific basis of Yogic practices, Advanced Asanas – benefits and precautions, Asanas for stress, anxiety and emotional stability, Asanas for back pain and postural correction, Detailed study of Pranayama and breath regulation, Role of Pranayama in nervous system balance, Meditation techniques for mental well-being, Mudras – application and therapeutic importance, Bandhas – concept and physiological effects, Yoga for managing depression and low mood, Yoga for managing anxiety and panic symptoms, Yoga for improving sleep and relaxation, Emotional intelligence and self-management through Yoga, Stress management techniques for adolescents, Nutrition, hydration and recovery for physical health, Physical fitness assessment and lifestyle planning, Prevention of lifestyle diseases through physical activity and Yoga, Ethical and value-based living through Yogic principles (Yama and Niyama)



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## HINDI

1. निम्नलिखित पंक्ति में प्रयुक्त अलंकार पहचानिए —  
“पीपर पात सरिस मन डोला।”

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

2. ‘जो दूसरों के दोष खोजता हो’ — उचित एक शब्द चुनिए।

- A) निंदक
- B) आलोचक
- C) दोषदर्शी
- D) परनिंदक

3. निम्नलिखित में कौन-सा वाक्य कर्मवाच्य में है?

- A) सीता गीत गाती है।
- B) राम ने पत्र लिखा।
- C) पत्र राम द्वारा लिखा गया।
- D) मोहन दौड़ रहा है।

4. अधर्म’ शब्द में उपसर्ग का अर्थ क्या है?

- A) अधिक
- B) अभाव
- C) विरोध
- D) नीचे

5. यदि परिश्रम करोगे तो सफलता अवश्य मिलेगी।’ — यह कौन-सा वाक्य है?

- A) संकेतवाचक
- B) इच्छावाचक
- C) शर्तवाचक
- D) विस्मयवाचक



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers

Class 10

## HINDI

6. निम्नलिखित में कौन-सा शब्द श्रुतिसमभिन्नार्थक है?

- A) कुल - कूल
- B) जल - नीर
- C) दुख - शोक
- D) सूर्य - रवि

7. वाक्य में त्रुटि पहचानिए —

“प्रत्येक विद्यार्थियों ने अपने उत्तर लिखे।”

- A) प्रत्येक
- B) विद्यार्थियों
- C) अपने
- D) लिखे

8. नाक कटना' मुहावरे का आशय क्या है?

- A) घायल होना
- B) अपमानित होना
- C) क्रोधित होना
- D) भयभीत होना

9. अपठित गद्यांश आधारित प्रश्न —

“मनुष्य का वास्तविक धन उसका चरित्र है। धन-संपत्ति नष्ट हो सकती है, परंतु उत्तम चरित्र व्यक्ति को समाज में सम्मान दिलाता है।”

गद्यांश का केंद्रीय भाव क्या है?

- A) धन का महत्व
- B) समाज का भय
- C) चरित्र का महत्व
- D) सम्मान का अभाव

10. कथन:

सभी लेखक बुद्धिमान हैं।

कुछ बुद्धिमान वैज्ञानिक हैं।

कोई वैज्ञानिक आलसी नहीं है।

निष्कर्ष:

- A) कुछ लेखक वैज्ञानिक हैं।
- B) कुछ बुद्धिमान आलसी नहीं हैं।
- C) कोई लेखक आलसी नहीं है।
- D) सभी वैज्ञानिक बुद्धिमान हैं।

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## ENGLISH

1. Choose the sentence that correctly uses an inverted conditional.  
A) Had I knew the truth, I would act differently.  
B) Had I known the truth, I would have acted differently.  
C) If I had knew the truth, I would acted differently.  
D) Had known I the truth, I would have acted differently.
  
2. Identify the sentence containing a misplaced modifier.  
A) She almost spent ₹500 on books.  
B) Running quickly, he reached the station.  
C) He served sandwiches to the guests on paper plates.  
D) Having completed the assignment, Riya relaxed.
  
3. Choose the correctly punctuated sentence.  
A) "Success", said the teacher "depends on discipline."  
B) "Success," said the teacher, "depends on discipline."  
C) "Success" said the teacher, "depends on discipline."  
D) "Success," said the teacher "depends on discipline".
  
4. Select the correct one-word substitution:  
"A government ruled by religious leaders."  
A) Democracy  
B) Aristocracy  
C) Theocracy  
D) Autocracy
  
5. Fill in the blank with the most suitable modal.  
"You \_\_\_\_ have informed us earlier; now it is too late."  
A) can  
B) should  
C) could  
D) must
  
6. Which sentence contains a dangling participle?  
A) Driving through the city, the lights looked beautiful.  
B) Walking slowly, she admired the garden.  
C) Having revised thoroughly, Aman felt confident.  
D) Exhausted after practice, the players rested.



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*Sample Papers Class 10*

## ENGLISH

7. Rearrange the following into a coherent sentence:

“rarely / honesty / appreciated / is / true”

- A) Rarely honesty is appreciated true.
- B) Honesty rarely true is appreciated.
- C) True honesty is rarely appreciated.
- D) Appreciated honesty is rarely true.

8. Choose the correct phrasal verb:

“The meeting was \_\_\_\_ due to lack of quorum.”

- A) put off
- B) turned down
- C) broken into
- D) taken over

9. Reading Comprehension Based:

“Technology has transformed communication, but excessive dependence on digital devices often reduces meaningful interpersonal interaction.”

What is the author’s concern?

- A) Lack of technological progress
- B) Excessive social interaction
- C) Reduced meaningful communication
- D) Absence of digital devices

10. Statement:

All philosophers are thinkers.

Some thinkers are innovators.

No innovator is careless.

Conclusion:

- A) Some thinkers are not careless.
- B) All philosophers are innovators.
- C) No philosopher is careless.
- D) Some innovators are philosophers.

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## MATHEMATICS

Q1. If,  $\sqrt{144} + \sqrt[3]{27}$  is divided by 3, the result is:

- A) 3
- B) 4
- C) 5
- D) 6

Q2. If the polynomial  $x^2 + kx + 16$  has equal roots, then  $k =$   
 $b^2 - 4ac = 0$

- A) 4
- B) 6
- C) 8
- D)  $\pm 8$

Q3. Solve for x:  $\frac{2x - 3}{5} = \frac{x + 4}{3}$

- A) 29
- B) -29
- C) 13
- D) -13

Q4. A point lies 5 units above the x-axis and 3 units left of the y-axis. Its coordinates are:

- A) (5, -3)
- B) (-3, 5)
- C) (3, -5)
- D) (-5, 3)

Q5. If the circumference of a circle is 44 cm, its radius is:

- A) 3 cm
- B) 5 cm
- C) 7 cm
- D) 14 cm





# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## MATHEMATICS

6. The 20th term of the AP: 7, 12, 17, 22... is:  
A) 97  
B) 100  
C) 102  
D) 105
7. A tower casts a shadow equal to its height. Angle of elevation of the Sun is:  
A)  $30^\circ$   
B)  $45^\circ$   
C)  $60^\circ$   
D)  $90^\circ$
8. The probability of drawing a red king from a deck of cards is:  
A)  $1/13$   
B)  $1/26$   
C)  $1/52$   
D)  $2/52$
9. If mean = 18 and total observations = 12, then sum of observations is:  
A) 196  
B) 206  
C) 216  
D) 226
10. Find the odd one out:  
A) 64  
B) 125  
C) 216  
D) 343

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## SCIENCE

Q1. Which reaction type is represented by:  $2KClO_3 \rightarrow 2KCl + 3O_2$

- A) Combination
- B) Decomposition
- C) Displacement
- D) Neutralisation

2. Which acid is present in ant sting?

- A) Acetic acid
- B) Citric acid
- C) Formic acid
- D) Hydrochloric acid

3. Which property makes graphite useful in electrodes?

- A) Transparency
- B) Hardness
- C) Electrical conductivity
- D) Brittleness

4. Which biomolecule acts as the catalyst in living organisms?

- A) Lipid
- B) Vitamin
- C) Enzyme
- D) Hormone

5. Which part of the brain controls voluntary actions?

- A) Cerebellum
- B) Medulla
- C) Cerebrum
- D) Hypothalamus



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## SCIENCE

6. A concave lens always forms:

- A) real and inverted image
- B) virtual and erect image
- C) real and erect image
- D) magnified real image

7. Electrical energy converted into heat energy in appliances is based on:

$$H = I^2 R t$$

- A) Ohm's Law
- B) Joule's Law
- C) Faraday's Law
- D) Newton's Law

8. Which greenhouse gas has maximum heat-trapping capacity per molecule?

- A) Carbon dioxide
- B) Methane
- C) Nitrous oxide
- D) Water vapour

9. Assertion (A): Metals are good conductors of electricity.

Reason (R): Metals contain free electrons.

- 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. A cell placed in distilled water will:

- A) shrink
- B) burst due to endosmosis
- C) remain unchanged
- D) lose water rapidly

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

*Sample Papers Class 10*

## GENERAL KNOWLEDGE

1. Which session of the Indian National Congress demanded "Poorna Swaraj" officially?  
A) Surat Session  
B) Lahore Session  
C) Lucknow Session  
D) Karachi Session
  
2. The concept of "Rule of Law" in India was borrowed from:  
A) USA  
B) Ireland  
C) Britain  
D) Canada
  
3. Which desert is known as the "Cold Desert"?  
A) Sahara  
B) Gobi  
C) Thar  
D) Kalahari
  
4. Which organisation publishes the Human Development Index (HDI)?  
A) UNESCO  
B) IMF  
C) UNDP  
D) WTO
  
5. "The Origin of Species" was written by:  
A) Gregor Mendel  
B) Isaac Newton  
C) Charles Darwin  
D) Louis Pasteur



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## GENERAL KNOWLEDGE

6. Which economic activity belongs to the tertiary sector?

- A) Mining
- B) Banking
- C) Agriculture
- D) Manufacturing

7. Which country is called the "Land of Rising Sun"?

- A) China
- B) Thailand
- C) South Korea
- D) Japan

8. Which national park is associated with Project Tiger?

- A) Kaziranga
- B) Gir
- C) Corbett
- D) Sundarbans

9. Statement:

All journalists are writers.

Some writers are editors.

No editor is careless.

Conclusion:

- A) Some writers are not careless.
- B) All journalists are editors.
- C) No journalist is careless.
- D) Some editors are journalists.

10. If REPUBLIC is coded as 18-5-16-21-2-12-9-3, then  
DEMOCRACY is coded as:

- A) 4-5-13-15-3-18-1-3-25
- B) 4-5-14-15-3-18-1-3-25
- C) 5-4-13-15-3-18-1-3-25
- D) 4-5-13-15-2-18-1-3-25

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers    *Class 10*

## SOCIAL STUDIES

1. Which event became the immediate cause of the Revolt of 1857?
  - A) Doctrine of Lapse
  - B) Economic exploitation
  - C) Use of greased cartridges
  - D) Subsidiary Alliance
  
2. The partition of Bengal in 1905 was carried out by:
  - A) Lord Curzon
  - B) Lord Mountbatten
  - C) Lord Wellesley
  - D) Lord Dalhousie
  
3. Which ideology was central to Fascism?
  - A) Democracy
  - B) Extreme nationalism
  - C) Social equality
  - D) Communal ownership
  
4. The headquarters of the European Union is in:
  - A) Paris
  - B) Brussels
  - C) Geneva
  - D) Rome
  
5. Which Fundamental Right was removed from the list of Fundamental Rights and made a legal right?
  - A) Right to Equality
  - B) Right to Freedom
  - C) Right to Property
  - D) Right against Exploitation
  
6. Which sector contributes maximum to India's GDP presently?
  - A) Primary
  - B) Secondary
  - C) Tertiary
  - D) Agricultural



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers    *Class 10*

## SOCIAL STUDIES

7. Black soil is most suitable for growing:

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

8. Which atmospheric layer contains ozone gas?

- A) Troposphere
- B) Mesosphere
- C) Stratosphere
- D) Thermosphere

9. Consumer Protection Act in India aims to:

- A) increase taxes
- B) control imports
- C) safeguard consumer interests
- D) regulate elections

10. Statement:

All minerals are natural resources.  
Some natural resources are exhaustible.  
Coal is a mineral.

Conclusion:

- A) Coal is an exhaustible natural resource.
- B) Some minerals are exhaustible.
- C) All natural resources are minerals.
- D) Coal is not a resource.

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## COMPUTER SCIENCE

1. Which memory unit has the highest storage capacity?  
A) Gigabyte  
B) Megabyte  
C) Terabyte  
D) Kilobyte
  
2. Convert binary 101101101101101101 into decimal.  
A) 43  
B) 45  
C) 47  
D) 49
  
3. Which Excel function is used to count cells containing numbers only?  
A) COUNT  
B) COUNTA  
C) COUNTIF  
D) SUM
  
4. In HTML, which tag is used to insert a line break?  
A) <break>  
B) <lb>  
C) <br>  
D) <hr>
  
5. Which network topology has the highest fault tolerance?  
A) Bus  
B) Ring  
C) Star  
D) Mesh





# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers    *Class 10*

## COMPUTER SCIENCE

6. Which cybercrime involves secretly monitoring network traffic?

- A) Spoofing
- B) Sniffing
- C) Hacking
- D) Phishing

7. What will be the output?

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

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

8. Which operator is used for exponentiation in Python?

- A) ^
- B) \*\*
- C) //
- D) %%

9. AI systems that mimic human language understanding belong to:

- A) NLP
- B) Robotics
- C) IoT
- D) Cloud Computing

10. A software license that allows free use, modification and distribution is called:

- A) Proprietary License
- B) Trial License
- C) Open-source License
- D) Commercial License

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



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

*Sample Papers Class 10*

## YOGA AND PHYSICAL HEALTH

1. Which Yogic principle emphasizes non-violence in thought, word and action?  
A) Santosha  
B) Ahimsa  
C) Asteya  
D) Aparigraha
2. Which pranayama technique is most effective for cooling the body?  
A) Kapalbhata  
B) Bhastrika  
C) Sheetali  
D) Ujjayi
3. Which asana is particularly recommended for strengthening spinal muscles?  
A) Bhujangasana  
B) Vajrasana  
C) Padmasana  
D) Tadasana
4. Meditation primarily influences which nervous system response?  
A) Fight-or-flight response  
B) Sympathetic overactivity  
C) Parasympathetic activation  
D) Reflex arc response
5. Which mudra is associated with enhancing vitality and reducing fatigue?  
A) Prana Mudra  
B) Gyan Mudra  
C) Apana Mudra  
D) Vayu Mudra



# EDULIGHT ENDEAVOUR TALENT HUNT OLYMPIAD

Sample Papers *Class 10*

## YOGA AND PHYSICAL HEALTH

6. Bandhas mainly help in:

- A) increasing external muscle bulk
- B) regulating internal energy and pressure
- C) rapid fat reduction only
- D) increasing appetite

7. Which nutrient is most directly involved in muscle recovery after physical activity?

- A) Protein
- B) Fibre
- C) Vitamin C
- D) Sodium

8. Which lifestyle disorder is commonly linked to chronic stress and sedentary habits?

- A) Malaria
- B) Dengue
- C) Hypertension
- D) Cholera

9. Assertion (A): Regular Yoga practice improves sleep quality.

Reason (R): Yoga reduces stress hormones and promotes relaxation.

- 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. A student practices deep breathing before an exam to reduce anxiety. Which component of emotional intelligence is MOST directly applied here?

- A) Motivation
- B) Self-regulation
- C) Empathy
- D) Social awareness

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