SOF OLYMPIADS

Teacher Handbook

SYLLABUS 2025-26 **SAMPLE PAPER**

IGKO IEO NSO IMO

ICSO ISSO IHO

SOF
OLYMPIADS
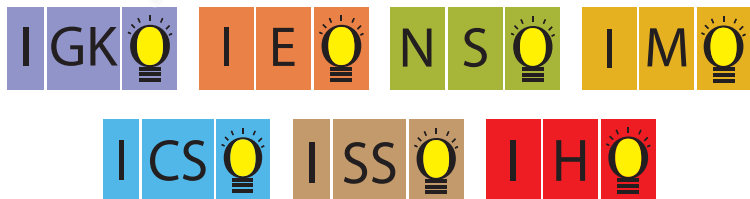
THE WORLD'S
BIGGEST
OLYMPIADS

Scan now to know more

www.sofworld.org

Scholarships & Awards	₹24 Crores	1,200 Best Principals	9,599 Best Teachers	48,322 Toppers
THE WORLD'S BIGGEST OLYMPIADS	96,499+ Schools	72 Countries	7.2+ Crores Assessments	8 Olympiads

Contents

About SOF Olympiads*

	IGK	IEO	NSO	IMO	ICSO	ISSO	IHO	ICO	IEO	NSO	IMO
				Level 1							**Level 2**
Duration				60 Minutes							60 Minutes
Test Center				Your School							SOF Centers
Eligibility				All students							Class toppers, Level 1 rank holders, Zonal top 25
Classes	1-10	1-12	1-12	1-12	1-10	3-10	3-10	11 & 12	3-12	3-12	3-12
Type of Test	OBJECTIVE TYPE: MCQs - MULTIPLE CHOICE QUESTIONS (CLASSWISE NO. OF QUESTIONS ARE GIVEN BELOW)								OBJECTIVE TYPE: MCQs - MULTIPLE CHOICE QUESTIONS		
Classes 1-4	35	35	35	35	35	35	35	-	35	35	35
Classes 5-12	50	50	50	50	50	50	50	50	50	50	50
Sections	4	4	3	4	4	2/4/5	3	4	3	2/3	2/3
	• General Awareness • Current Affairs • Life Skills • Achievers Section	• Word and Structure Knowledge • Reading • Spoken and Written Expression • Achievers Section	For Classes 1-10 • Logical Reasoning • Science For Classes 11 & 12 • Physics & Chemistry • Achievers Section • Mathematics or Biology	For Classes 1-10 • Logical Reasoning • Mathematical Reasoning • Everyday Mathematics • Achievers Section For Classes 11&12 • Logical Reasoning • Mathematical Reasoning or Applied Mathematics • Everyday Mathematics • Achievers Section	For Classes 1-5 • Logical Reasoning • Computer Science • Information Technology • Achievers Section For Classes 6-10 • Logical Reasoning • Computer Science • AI, Robotics and Information Technology • Achievers Section	For Classes 3 - 6 • Social Studies • Achievers Section For Classes 7 & 8 • History • Geography • Social and Political Life • Achievers Section For Classes 9 & 10 • History • Geography • Political Science • Economics • Achievers Section	• शब्द और व्याकरण बोध • रचनात्मक बोध • मेधावी खंड	• Economics • Business Studies • Accountancy • Achievers Section	• Word and Structure Knowledge • Reading • Achievers Section	For Classes 3 -10 • Science • Achievers Section For Classes 11 & 12 • Physics & Chemistry • Achievers Section • Mathematics or Biology	For Classes 3 -10 • Mathematics • Achievers Section For Classes 11 & 12 • Mathematics • Mathematical Reasoning or Applied Mathematics • Achievers Section

*For latest information, please visit www.sofworld.org

4

SCHOOL AWARDS

	Principal			Teacher and Olympiad Incharge		
	Cash Award	Trophy	Certificate	Cash Award	Trophy	Certificate
School	☑	☑	☑	☑	☑	☑
District	☑	☑	☑	☑	☑	☑
Zonal	☑	☑	☑	☑	☑	☑
International	☑	☑	☑	☑	☑	☑

SOF SCHOOL ACADEMIC PROGRESS REPORT FOR EVERY SCHOOL

☑ Annual SOF Gifts	☑ New Year SOF Gifts

Scholarships

SOF's dedicated scholarships, including the Girl Child Scholarship Scheme, Defence Services Academic excellence Scholarship and Academic Excellence Scholarship, demonstrate its commitment to fostering inclusivity and supporting education for all.

S**O**F
GCSS
Girl Child Scholarship Scheme 2025-26

Scan now with your smartphone or tablet
www.sofworld.org

S**O**F
DSAS
Defence Services Academic excellence Scholarship 2025-26

Scan now with your smartphone or tablet
www.sofworld.org

S**O**F
AES
Academic Excellence Scholarship 2025-26

Scan now with your smartphone or tablet
www.sofworld.org

Scholarships & Awards *

The Science Olympiad Foundation (SOF) is committed to nurturing young talent and recognizing excellence in academics and beyond. Through its prestigious Olympiads, SOF not only challenges students to reach their highest potential but also acknowledges their achievements with an extensive range of awards, scholarships and recognitions.

Scan the QR code for more details

Level 1 - Scholarships and Awards

Level	Recognition
Level 1	• All participating students receive a **Certificate of Participation***. • All participating students receive a detailed **SPR - Student Progress Report**. • **Gold Medal of Distinction** and **Certificate of Distinction** for top 25 Zonal toppers per class per exam*. • **Gold Medal of Excellence** for top 10% students from each class. • **SAPR - School Academic Progress Report** for school management.

Final Level - Scholarships and Awards

Level	Category	Award	Additional Recognition	Numbers
Level 2 (IEO, NSO, IMO) **Level 1** (IGKO, ICSO, ISSO, IHO, ICO) **Level 1** (IEO, NSO, IMO) Class 1 & 2	Top 3 International Rankers	₹50,000, ₹25,000 and ₹10,000 for ranks 1, 2 and 3 respectively	International Medals: Gold, Silver and Bronze Certificate of Outstanding Performance	222 Winners
	Top 3 Zonal Rankers	₹5,000, ₹2,500 and ₹1,000 for ranks 1, 2 and 3 respectively	Zonal Medals: Gold, Silver and Bronze Certificate of Zonal Excellence	5,772 Winners
	Zonal Rankers 4 to 10	Gift worth ₹500 each	Certificate of Zonal Excellence	13,468 Winners
	Zonal Rankers 11 to 25	Certificate of Zonal Excellence		28,860 Winners
Level 2 (IEO, NSO, IMO)	Zonal Rankers 26 onwards	Merit Certificate		

Recognition for Visionary Leaders (School Principals) & Visionary Educators (Teachers)

Best Principal (International) Citation + Trophy + ₹**25,000**

Best Principal (Zonal) Citation + Trophy + ₹**10,000**

Best Principal (District) Citation + Trophy + ₹**5,100**

Best Teacher (International) Citation + Trophy + ₹**10,000**

Best Teacher (Zonal) Citation + Trophy + ₹**5,000**

Best Teacher (District) Citation + Trophy + ₹**1,000**

* For further details, please visit www.sofworld.org   **Note:** TDS as applicable will be deducted.

Guidelines

1. **Medium of the Olympiads**
   All SOF Olympiads will be conducted in English, except IHO, which will be conducted in Hindi.

2. **School Codes**
   Each school receives a unique 6-digit code from SOF when it registers for the Olympiads (different from CBSE or any other education board affiliation code). Schools should contact the SOF Head Office in Gurugram if they do not know their code.

3. **Registration Procedure**
   Schools must complete all columns of the SRF (School Registration Form) and SRS (Student Registration Sheet) accurately and legibly and submit them before the due date. Schools are requested to display the enclosed posters on noticeboards, classrooms, or other prominent places. Students must register through their schools only. Individual or direct registrations will not be accepted.
   Schools may register in one of the following ways:
   • Fill out and courier the registration forms.
   • Fill out, scan, and email the registration forms.
   • Register online at ors.sofworld.org.

4. **Sample Questions & Study Material**
   Sample questions and study material for each class are included with the prospectus. They can also be downloaded from the SOF website: www.sofworld.org.

5. **Exam Format**
   All questions are multiple-choice questions (MCQ). There is no negative marking. Schools must choose one available date to conduct the exam. They must conduct it strictly on that chosen date only. Different sets of question papers are provided for each date, and non-adherence to the chosen date may lead to cancellation of the exam.

6. **OMR Sheets**
   Students must fill in all columns of the OMR sheet correctly. Any incorrect or incomplete information may lead to disqualification from ranking. A sample OMR sheet is available on the SOF website and is also attached with the prospectus.

7. **After the Exam**
   Answer sheets should be returned to the SOF Head Office next day of the exam. Schools must ensure the answer sheets reach the SOF Head Office within 7 days of the exam date. SOF will not evaluate any answer sheets received beyond the stipulated date.

8. **Result**
   Results are typically declared about 8 weeks after the answer sheets are received. They will be sent to the respective schools and will also be uploaded on the SOF website.

LEVEL 1 SOF OLYMPIADS

1. **Examination Centre**
   All Level 1 Olympiads will be conducted in the students' own schools.

2. **Time of the Olympiads**
   The Level 1 Olympiads are held during school hours.

3. **Criteria for Level 1**
   All students (as per their school's registration) in the relevant classes for the respective Olympiads.

Note : *Some exams are single-level only: IGKO, ICSO, ISSO, IHO and ICO. Students appearing for these exams will not have a Level 2 exam.*

LEVEL 2 SOF OLYMPIADS

1. **Applicable Olympiads**
   Level 2 Olympiads are conducted for IEO, NSO, and IMO for classes 3 to 12. IGKO, ICSO, ISSO, IHO and ICO do not have a Level 2 (they are single-level exams).

2. **Date and Examination Centre**
   The Level 2 exam is scheduled for 8th February, 2026 tentatively. It will be conducted at centers finalized by SOF (not in the students' own schools).

3. **No Registration Fee**
   No separate registration fee is charged for the Level 2 exams.

4. **Qualification Criteria**
   • Top 5% of students (class-wise) who appear in the Level 1 exam, internationally.
   • Top 25 rank holders from each zone and each class.
   • Class topper (where at least 10 students from a class register for the exam and the topper scores at least 50% marks). In the case of multiple sections in a class, the topper with the highest marks across all sections qualifies.

5. **Admit Cards**
   Admit Cards for the Level 2 Olympiads will be dispatched to schools or uploaded on the SOF website (www.sofworld.org) before the Level 2 exam. The Roll Number slip from the Level 1 exam may also serve as the admit card for Level 2 for qualifying students.

SOF OLYMPIADS

I GK O
SOF INTERNATIONAL GENERAL KNOWLEDGE OLYMPIAD

Total Questions : 50 Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) General Awareness	(2) Current Affairs	(3) Life Skills	(4) Achievers Section
No. of Questions	30	10	5	5
Marks per Ques.	1	1	1	3

SYLLABUS

Plants and Animals, India and the World, Science and Technology, Earth and Its Environment, Universe, Language and Literature, Entertainment, Social Studies, Sports, Quantitative Aptitude and Reasoning, Current Affairs, Life Skills (Empathy, Effective Communication, Critical Thinking, Creative Thinking, Coping with Stress, Decision Making, Problem Solving, Interpersonal Skills, Managing Emotions, Self-awareness).

Achievers Section : Higher Order Thinking Questions from the above given Syllabus.

1. It is a night blooming cactus which blooms once per year, only at night. Its flowers are large and fragrant, and shines white like a moon. It is also known as 'Queen of the Night'. Identify it.
   (A) *Epiphyllum oxypetalum* (B) *Catharanthus roseus*
   (C) *Opuntia* (D) *Echinacea purpurea*

2. A mixture of sand, salt and water can be separated by _____.
   (A) Sieving (B) Distillation
   (C) Filtration followed by evaporation (D) Magnetic separation

3. Who was the first Indian woman to receive the 'Bharat Ratna', India's highest civilian award?

   (A)
   Indira Gandhi

   (B)
   Sarojini Naidu
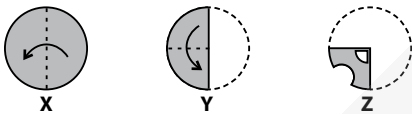
   (C)
   Arundhati Roy

   (D)
   Mother Teresa

4. Which constellation is known as 'The Chained Maiden'?
   (A) Andromeda (B) Orion (C) Ursa major (D) Hercules

5. Which of the following is the highest tier of the Panchayati Raj system in India?
   (A) Zila Parishad   (B) Gram Panchayat
   (C) Panchayat Samiti   (D) Municipality

6. A set of three figures X, Y and Z shows the sequence of folding of a piece of paper. Fig. Z shows the manner in which the folded paper has been cut. Select a figure from the options which would most closely resemble the unfolded form of Fig. Z.

(A)   (B)   (C)   (D)

7. Who is the current Secretary General of United Nations?
   (A) António Guterres   (B) Ban Ki-moon
   (C) Elizabeth Mary Spehar   (D) None of these

8. Which of the following helps you in making informed decisions?
   (A) Following your peers blindly   (B) Considering consequences
   (C) Avoiding any research   (D) Deciding quickly

ACHIEVERS SECTION

9. A few sports cups/trophies are listed in the box given below.

(i) Uber Cup	(ii) Walker Cup
(iii) Solheim Cup	(iv) Wightman Cup
(v) Merdeka Cup	(vi) Holkar Trophy
(vii) Claret Jug	(viii) US Open Championship Trophy

Which among the given cups/trophies are related to golf?
   (A) (ii), (iii), (vii) and (viii) only   (B) (iv), (vi) and (viii) only
   (C) (iv) and (v) only   (D) (i), (vi) and (viii) only

10. Identify the following with respect to transmission media in computer network and select the correct option.
   - It is a wireless transmission channel used for long distances.
   - It allows signals to pass through thick objects such as non-metallic substances.
   - It is used in communication satellites, radars, computer network, etc.
   (A) Radio waves   (B) Infrared waves
   (C) Microwaves   (D) Ultraviolet rays

ANSWER KEY

1. (A)	2. (C)	3. (A)	4. (A)	5. (A)	6. (D)	7. (A)	8. (B)	9. (A)	10. (A)

Total Questions : 50   Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	(1) Word and Structure Knowledge	(2) Reading	(3) Spoken and Written Expression	(4) Achievers Section
No. of Questions	30	10	5	5
Marks per Ques.	1	1	1	3

SYLLABUS

Section – 1 : Nouns, Pronouns, Verbs, Adverbs, Adjectives, Articles, Conjunctions, Prepositions, Punctuation and Jumbled Words, Tenses, Voices, Narration, etc., Spellings, Collocations, Phrasal verbs, Idioms, Synonyms, Antonyms.

Section – 2 : Search for and retrieve information from various text types like News headlines, Brochures, Formal and Informal letters, Itinerary, etc., Acquire broad understanding of and look for specific information in Short narratives, Time-tables, News stories, Diary entry, Poster Making, Messages, etc.

Section – 3 : Ability to understand situation-based variations in functions like agreement and disagreement, Requests, Refusals, Apologies, etc.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Sections 1, 2 and 3.

WORD AND STRUCTURE KNOWLEDGE

1. Choose the correct option to fill in the blank.

Three out of ten students grabbed the awards in the elocution competition for their _____ skills.

(A) articulation   (B) restitution
(C) integration   (D) accommodation

2. Choose the part of the sentence that has an error.

I was absent for over a month, now I am finding it hard to catching up in the class.

(A) I was absent for over   (B) a month, now I am
(C) finding it hard   (D) to catching up in the class.

3. Choose the correct antonym of the given word.

Paucity

(A) Audacity   (B) Pause
(C) Surplus   (D) Scarcity

4. Choose the option with correct spelling.

(A) Perseverence   (B) Preserverence
(C) Perseverance   (D) Preservarance

Directions (For Q. No. 5 and 6) : Read the passage and answer the questions that follow.

King Metabo

King Metabo was a famous javelin thrower. One day, he went out hunting with his daughter, Camille on his back.

All of a sudden, the king was attacked by a band of enemies. He had to flee from them until he came to a fast flowing river, which he was unable to swim across because of his daughter on his back. It seemed as if he was lost until he thought of a way out.

Tying his daughter to his javelin, he hurled it with all his strength to the other side of the river; then he dived into the water and swam across to where Camille was. His enemies were so amazed that they gave up the chase.

5. King Metabo was well known for _____.
    (A) hunting   (B) his wisdom
    (C) throwing javelin   (D) running fast

6. When was the king attacked by the enemies?
    The king was attacked by the enemies when he _____.
    (A) went out for picnic with his daughter
    (B) went out hunting with his daughter
    (C) came to a fast flowing river
    (D) was swimming in the river

SPOKEN AND WRITTEN EXPRESSION

Directions (For Q. No. 7 and 8) : Choose the correct option to complete each conversation.

7. Jordan : Where are we going to spend our vacations?
    Luke : _____ You tell me.
    (A) No idea!   (B) No way.   (C) No great.   (D) Some idea.

8. Manager : Alex, please _____ all the topics that we have to discuss to ensure we cover everything efficiently.
    (A) bring of   (B) list down   (C) trickle up   (D) let down

ACHIEVERS SECTION

9. Choose the correct option to fill in the blank.
    The actor's life took a _____ turn when he immersed himself in spirituality, which left him questioning the reality of life.
    (A) corroborate   (B) kafkaesque   (C) buttress   (D) levy

10. Choose the correct option to complete the conversation.
    Frank : The early morning dew settled on every blade of grass and _____ in the morning sun.
    (A) glistened   (B) glitched   (C) disturbed   (D) determined

ANSWER KEY

1. (A)   2. (D)   3. (C)   4. (C)   5. (C)   6. (B)   7. (A)   8. (B)   9. (B)   10. (A)

SOF OLYMPIADS

N S O
SOF NATIONAL SCIENCE OLYMPIAD

Total Questions : 50			Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	**(1) Logical Reasoning**	**(2) Science**	**(3) Achievers Section**
No. of Questions	10	35	5
Marks per Ques.	1	1	3

SYLLABUS

Section – 1 : Verbal and Non-Verbal Reasoning.

Section – 2 : Food and its Components, Materials Around Us, States of Water, Methods of Separation, The World of Living (Parts of Plants, Grouping of Plants and Animals, Adaptations in Plants and Animals, Characteristics of Living Beings, Life Cycle of Plants and Animals), Exploring Magnets, Measurement of Length and Motion, Temperature and its Measurement, Beyond Earth, Natural Resources (Air, Water, Forests, Sun: The Source of Energy, Soil, Rocks and Minerals, Fossil Fuels, Renewable and Non-Renewable Resources).

**Section – 3 :** Higher Order Thinking Questions - Syllabus as per Section – 2.

LOGICAL REASONING

1. Find the total duration of time from 8:45 a.m. to 3:07 p.m. on the same day.
(A) 5 hours 20 minutes
(B) 6 hours 22 minutes
(C) 7 hours 22 minutes
(D) 6 hours 18 minutes

2. In a certain code language, if SIXTH is written as 80, then how will CLASS be written in the same code language?
(A) 54
(B) 48
(C) 60
(D) 42

3. Find the number of rectangles formed in the given figure.
(A) 12
(B) 13
(C) 14
(D) More than 14

SCIENCE

4. Three similar T-shirts made up of the same fabric were soaked in the same amount of water. The T-shirts were then left to dry in the open under different conditions (I, II and III) as shown in the diagrams.
Starting with the T-shirt that will take shortest time to dry, arrange the three T-shirts in order of their rate of drying.

I — Sunny, windy — P
II — Cloudy, no wind — Q
III — Sunny, no wind — R

(A) $Q > R > P$
(B) $R > P > Q$
(C) $P > R > Q$
(D) $Q > P > R$

5. Which of the following statement(s) is/are correct?
(i) To measure distances correctly, reference point must be selected first.
(ii) For a particle to be in state of motion, its position must be constant at different instances of time.
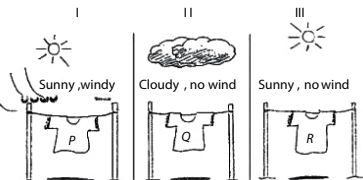
(iii) The appropriate unit for measuring the thickness of a ten rupees coin is meter.

(iv) An object in motion with respect to one person will certainly be in motion with respect to another person.

(A) (i) and (ii) only   (B) (iii) and (iv) only   (C) (i) only   (D) (i), (ii) and (iv) only

6. The diagram shows two set ups each consisting of a container filled with water, an electric heater and a thermometer. The positions of the electric heater and the thermometer, and initial thermometer readings differ in both the set ups.
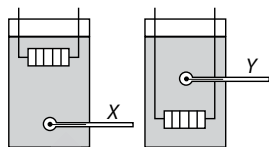
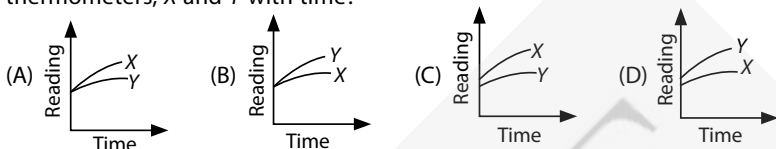Which of the following graphs represents the approximate variations of the readings of the thermometers, *X* and *Y* with time?

(A)   (B)   (C)   (D)

7. Read the given statements and select the correct option.

Statement I : It is advised to eat sources of vitamin C raw.

Statement II : Vitamin C may get destroyed if heated.

(A) Both statements I and II are true and statement II is the correct explanation of statement I.

(B) Both statements I and II are true but statement II is not the correct explanation of statement I.

(C) Statement I is true but statement II is false.

(D) Both statements I and II are false.

8. Which among the given diseases is/are transmitted by female mosquitoes?

(A) Malaria   (B) Dengue   (C) Chikungunya   (D) All of these

ACHIEVERS SECTION

9. Which one of the following representations is incorrect?

10. Read the given statements and select the option that correctly identifies them as true (T) and false (F) ones.

(i) Mustard plant is a herb which completes its life cycle in two years.

(ii) Stilt roots grow downwards and provide extra support to the plant.

(iii) Plants having fibrous roots are usually easily pulled out from the ground.

(iv) Leaf tendrils are found in *Gloriosa* plant.

(v) *Hibiscus* plant has simple leaves with reticulate venation.

	(i)	(ii)	(iii)	(iv)	(v)		(i)	(ii)	(iii)	(iv)	(v)
(A)	T	T	F	T	F	(B)	F	T	T	T	T
(C)	F	T	F	T	F	(D)	T	F	F	F	T

SOF OLYMPIADS

I M Q
SOF INTERNATIONAL MATHEMATICS OLYMPIAD

Total Questions : 50   Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No. of Questions	15	20	10	5
Marks per Ques.	1	1	1	3

SYLLABUS

**Section – 1 :** Verbal and Non-Verbal Reasoning.

Section – 2 : Patterns in Mathematics, Lines and Angles, Number Play, Data Handling and Presentation, Prime Time, Perimeter and Area, Fractions, Playing with Constructions, Symmetry, The Other Side of Zero.

Section – 3 : Syllabus as per Section – 2.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section – 2.

LOGICAL REASONING

1. The given question consists of a set of three figures X, Y and Z which shows the sequence of folding of a piece of paper. Fig. Z shows the manner in which the folded paper has been cut. Select a figure from the options which shows the unfolded form of Fig. Z.

X   **Y**   **Z**

(A)   (B)   (C)   (D)
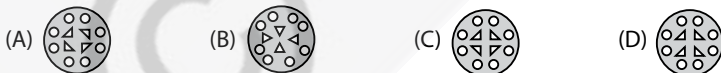
2. Megha walks 120 m towards East, then takes a left turn and walks 60 m. She then turns left again and walks 80 m. She then takes a right turn and walks 40 m. Finally, she walks 40 m after turning to her left. How far is she now from her starting point?
   (A) 60 m   (B) 100 m   (C) 140 m   (D) 40 m

3. Find the number of squares formed in the given figure.
   (A) 9   (B) 10
   (C) 11   (D) More than 11

MATHEMATICAL REASONING

4. How many of the given letters have pairs of perpendicular lines?

F M A H I E

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

5. Which of the following is the correct representation of the number of story books sold in the month of May, if 1 = 150 books?

Months	Number of books sold
May	
June	600
July	450
August	300
Total	2100

(A)

(B)

(C)

(D)

6. Which of the following clock timings forms a palindrome?
(A) 06:56   (B) 12:12   (C) 10:22   (D) 10:01

EVERYDAY MATHEMATICS

7. Riddhi joined three rectangular pieces of cloth to make a big rectangular table cloth (as shown in the given figure). Area of each rectangle is given inside. Find the cost of lacing the table cloth formed at the rate of ₹ 32 per m. (Ignore the stitching margins).
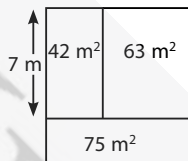
(A) ₹ 1800
(B) ₹ 1728
(C) ₹ 1290
(D) ₹ 1350

8. If the price of diesel was ₹ 68 in 2017, increased to ₹ 70 in 2018, decreased by ₹ 6 in 2019, increased by ₹ 16 in 2020, then what is the price of diesel in 2020?
(A) ₹ 80   (B) ₹ 79   (C) ₹ 64   (D) ₹ 68

ACHIEVERS SECTION

9. Read the given statements carefully and select the CORRECT option.

Statement-I : $\frac{4}{9}$ of the animals at the farm were cows. $\frac{1}{2}$ of the remaining animals were goats and rest were chicks. The fraction of the animals at the farm that were chicks is $\frac{5}{18}$.

Statement-II : Jyoti had a collection of 640 round, rectangular and triangular stickers. $\frac{3}{8}$ of the stickers were round, $\frac{1}{4}$ of remaining were triangular and rest were rectangular. She had 200 more rectangular stickers than triangular stickers.
(A) Both Statement-I and Statement-II are true.
(B) Statement-I is true but Statement-II is false.
(C) Both Statement-I and Statement-II are false.
(D) Statement-I is false but Statement-II is true.

10. Which of the following options is INCORRECT?
(A) 755712 is divisible by 2, 4 and 8.
(B) 1183 and 1792 are not co-prime numbers.
(C) Prime factors of 255 are 1, 3, 5 and 17.
(D) 7th multiple of greatest factor of 144 is 1008.

ANSWER KEY

1. (C)   2. (B)   3. (B)   4. (B)   5. (D)   6. (D)   7. (B)   8. (A)   9. (A)   10. (C)

SOF OLYMPIADS

I CS O
SOF INTERNATIONAL COMPUTER SCIENCE OLYMPIAD

Total Questions : 50   Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Computer Science	(3) AI, Robotics and Information Technology	(4) Achievers Section
No. of Questions	10	30	5	5
Marks per Ques.	1	1	1	3

SYLLABUS

Section – 1 : Verbal and Non-Verbal Reasoning.

Section – 2 : Fundamentals of Computer (Types of Computers, Hardware, Software and I/O Devices), History and Generation of Computers, Using Windows 11, MS-Word(Working with Charts and Tables, Using Layout tab, Arranging multiple windows of a document), MS-PowerPoint(Creating presentation using Animation, Working with Animations and Transitions, Creating new slides using Slides pane, Working with Handouts and Notes Master, Arranging multiple windows of a presentations, Working with Charts and Tables), Networking and Cyber Safety, Introduction to HTML & CSS (Html, Head, Title, Body, Comment tag (<!-- -->), <H1>--<H6>, <B>, <I>, <U>, <P> and Some More Basic Tags), Introduction to Scratch, Memory & Storage Devices.

Section – 3 : AI, Robotics, IT Gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Sections 2 and 3.

Questions are based on Windows 11 and MS-Office 2016.

LOGICAL REASONING

1. Which of the following numbers will complete the given number series?

   2, 7, 22, 67, 202, ?

   (A) 607   (B) 404   (C) 604   (D) 407

2. Find the number of circles in the given figure.
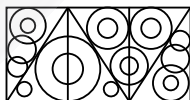
   (A) 17   (B) 14   (C) 18   (D) None of these

3. If South-West becomes North-East, North-East becomes South-West and so on, then which of the following directions becomes North?

   (A) South   (B) South-East   (C) West   (D) North-West

COMPUTER SCIENCE

4. Which of the following is true about the third generation of computers?

   (A) Integrated circuit was introduced.

   (B) Vacuum tubes were the main building blocks.

(C) Very large scale integration (VLSI) was introduced.

(D) Ultra large scale integration (ULSI) was introduced.

5. _____ is a standard communication protocol used to transfer computer files from one location to another on a computer network.

(A) Telnet   (B) FTP   (C) HTTP   (D) NNTP

6. Which of the following devices is used to read the printed details including the bank name, branch and other sources of the particular code on the cheque?

(A)   (B)   (C)   (D)

AI, ROBOTICS AND INFORMATION TECHNOLOGY

7. Which of the following statements is/are correct about artificial intelligence?

(i) It is the technology that enables computers and machines to simulate human intelligence.

(ii) It is the art and science of developing intelligent machines like humans.

(iii) Some common applications of AI are smart search, fraud detection, language processing, etc.

(A) (i) only   (B) (ii) and (iii) only

(C) (i) and (ii) only   (D) (i), (ii) and (iii)

8. Which of the following services is not provided by Google?

(A)   (B)   (C)   (D)
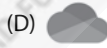
ACHIEVERS SECTION

9. Identify the following.

• It refers to the collection of programs, and software components that enable a computer or computing device to function properly.

• It is a set of instructions, which is designed to perform a defined task, and it tells the computer how to work.

(A) Utility software   (B) System software

(C) Application software   (D) Both (B) and (C)

10. Select the correct statement(s) regarding networking device shown in the given image.

(A) It is a network adapter used to setup a wired network.

(B) It is a circuit board mounted on the computer motherboard.

(C) It has a MAC address that uniquely identifies the computer on the network.

(D) All of these

ANSWER KEY

| 1. (A) | 2. (C) | 3. (A) | 4. (A) | 5. (B) | 6. (B) | 7. (D) | 8. (D) | 9. (B) | 10. (D) |

SOF OLYMPIADS

I SS O

SOF INTERNATIONAL SOCIAL STUDIES OLYMPIAD

Total Questions : 50   Time : 1 hr.

PATTERN & MARKING SCHEME		
Section	**(1) Social Studies**	**(2) Achievers Section**
No. of Questions	45	5
Marks per Ques.	1	3

SYLLABUS

Section – 1 : Locating Places on the Earth, Oceans and Continents, Landforms and Life, Studying the Past, The Beginnings of Indian Civilisation, India's Cultural Roots, Unity in Diversity, Family and Community, Governance at Central Level, Local Government in Rural Areas, Local Government in Urban Areas, Economic Life Around Us

Section – 2 : Higher Order Thinking Questions - Syllabus as per Section – 1.

1. The Earth has been divided into a twenty-four time zones of one hour each. USA has _____ time zones.
   (A) 7   (B) 11   (C) 6   (D) 5

2. The longitude of any place is determined with reference to its distance from
   (A) Tropic of Cancer   (B) Tropic of Capricorn
   (C) Prime Meridian   (D) Antarctic Circle.

3. The *Upanishads* were built upon the Vedic concepts. What does the *Upanishads* literally mean?
   (A) Desire and ignorance bring suffering
   (B) Approaching and sitting near
   (C) The cycle of death and rebirth
   (D) The escape from the cycle of samsara through enlightenment

4. Who composed the Vedic hymns in an early form of Sanskrit language?
   (A) Male deities   (B) Male and female *Rishis*
   (C) Kings and priests   (D) Brahamanas and tribes

5. Which type of map displays a specific information, like the density and distribution of population, etc. in a given geographic region?
   (A) Physical map   (B) Thematic map   (C) Political map   (D) Navigation map

6. _____ is a group of people related by blood, marriage and other factors who support, care and take responsibilities for each other.
   (A) Society   (B) Family   (C) Community   (D) Jāti

7. Buddhism and Jainism departed from the authority of the _____ and laid emphasis on some specific values and practices.

(A) Clans   (B) Vedas   (C) Janas   (D) Karma

8. Select the incorrect match.

(A) *Satyameva Jayate* – Truth alone triumphs

(B) Yato Dharmastato Jayah – Where there is *karma,* there is victory
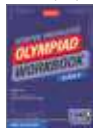
(C) Demos – People

(D) Kratos – Power

ACHIEVERS SECTION

9. Read the following statements and select the option that correctly identifies them as true (T) and false (F) ones.

(i)   Globe is a book or collection of maps.

(ii) From West to East, India extends between 68°7'E and 97°25'E longitudes.

(iii) All parallels of latitudes have the same length.

(iv) Latitude and longitude together are the two coordinates of a place.

	(i)	(ii)	(iii)	(iv)
(A)	T	T	T	F
(B)	F	T	F	T
(C)	F	F	T	T
(D)	F	T	T	T

10. Read the given statements and select the correct option to fill in the blanks.

P.   The Vedas consist of _(i)_ of hymns prayers in the form of poems and songs that were recited orally, not written. These hymns were composed in the _(ii)_ region.

Q. _(iii)_ refers to the world or the universe as an ordered and harmonious system.

R.   Early Vedic society was organised in different _(iv)_

	(i)	(ii)	(iii)	(iv)
(A)	Thousands	Sapta Sindhava	Cosmos	Clans
(B)	Hundreds	Avanti	Spiritual	Janas
(C)	Thousands	Sapta Sindhava	Seeker	Clans
(D)	Hundreds	Vidarbha	Spiritual	Janas
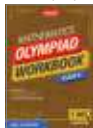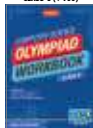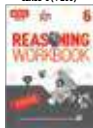
ANSWER KEY

1. (C)   2. (C)   3. (B)   4. (B)   5. (B)   6. (B)   7. (B)   8. (B)   9. (B)   10. (A)

SAMPLE PAPER
2025-26

अंतरराष्ट्रीय हिंदी ओलंपियाड

I H O

SOF INTERNATIONAL HINDI
OLYMPIAD

कुल प्रश्न : 50			समय : 1 घंटा

पैटर्न तथा अंक योजना			
खंड	(1) शब्द और व्याकरण बोध	(2) रचनात्मक बोध	(3) मेधावी खंड
प्रश्नों की संख्या	35	10	5
अंक प्रति प्रश्न	1	1	3

पाठ्यक्रम

खंड-1: भाषा-विचार, वर्ण-विचार, शब्द एवं वाक्य, संधि एवं समास, शब्द-भंडार, उपसर्ग एवं प्रत्यय, संज्ञा, सर्वनाम एवं विशेषण, काल, क्रिया एवं कारक, लिंग एवं वचन, अविकारी शब्द, अशुद्धि संशोधन एवं विराम-चिह्न, गिनती एवं महीनों के नाम, भारतीय साहित्य एवं संस्कृति

खंड-2: अपठित गद्यांश, अपठित पद्यांश, मुहावरे एवं लोकोक्तियाँ

खंड-3: उच्चतर क्रम सोच कौशल आधारित प्रश्न– खंड 1 और 2 के पाठ्यक्रम के अनुसार

शब्द और व्याकरण बोध

1. श, ष, स और ह के समूह को ———— व्यंजन कहा जाता है।
   - (क) अंत:स्थ
   - (ख) ऊष्म
   - (ग) संयुक्त
   - (घ) स्पर्श

2. निम्नलिखित में से कौन-सा शब्द अविकारी नहीं है?
   - (क) क्रियाविशेषण
   - (ख) विशेषण
   - (ग) संबंधबोधक
   - (घ) विस्मयादिबोधक

3. 'कठपुतली' ———— समास का उदाहरण है।
   - (क) अव्ययीभाव
   - (ख) कर्मधारय
   - (ग) तत्पुरुष
   - (घ) द्विगु

4. निम्नलिखित में से उद्धरण चिह्न कौन-सा है?
   - (क) :-
   - (ख) –
   - (ग) ?
   - (घ) "——"

5. नीचे दिए गए शब्दों में से कौन-सा शब्द सदैव एकवचन में प्रयोग किया जाता है?
   - (क) सोना
   - (ख) हस्ताक्षर
   - (ग) प्राण
   - (घ) दर्शन

6. दिए गए वाक्यांश के लिए उचित एक शब्द का चयन कीजिए–
   'जो मीठा बोलता हो'
   - (क) मृदुभाषी
   - (ख) वाचाल
   - (ग) मितभाषी
   - (घ) बहुभाषी

निम्नलिखित गद्यांश को पढ़कर प्रश्न संख्या 7 और 8 के उत्तर दीजिए–

भारत एक विशाल देश है जो विभिन्न धर्मों, भाषाओं और संस्कृतियों का घर है। यह अपनी विविधता के लिए जाना जाता है। इसका इतिहास बहुत विस्तृत है और इसमें कई महत्वपूर्ण घटनाएँ हुई हैं। इसके इतिहास में कुछ ऐसी घटनाएँ हुई हैं, जो दुनिया भर में अपनी महत्ता के लिए जानी जाती हैं लेकिन भारत की आज़ादी का महत्व सर्वाधिक है। आज़ादी के बल पर ही देश विकास के पथ पर आगे बढ़ रहा है।

7. भारत किस विशेषता के लिए जाना जाता है?
   (क) विविधता के लिए
   (ख) एकता के लिए
   (ग) धर्म के लिए
   (घ) संस्कृति के लिए

8. भारत किस पथ पर बढ़ रहा है?
   (क) आज़ादी के
   (ख) विकास के
   (ग) इतिहास के
   (घ) युद्ध के

मेधावी खंड

9. निम्नलिखित तथ्यों को ध्यानपूर्वक पढ़कर उचित विकल्प का चयन कीजिए–
   (अ) पत्र लिखना भाषा का मौखिक रूप है।
   (ब) भाषण देना भाषा का मौखिक रूप है।
   (स) पुस्तक लिखना भाषा का लिखित रूप है।

   (क) (अ) तथा (ब) दोनों सही हैं।
   (ख) (ब) तथा (स) दोनों सही हैं।
   (ग) (अ) तथा (स) दोनों सही हैं।
   (घ) (अ), (ब) तथा (स) तीनों सही हैं

10. राज्यों तथा उनसे संबंधित भाषाओं के मिलान के उचित विकल्प का चयन कीजिए–

राज्य		भाषा
(अ) गोवा	(i)	तमिल
(ब) महाराष्ट्र	(ii)	कोंकणी
(स) तमिलनाडु	(iii)	मलयालम
(द) केरल	(iv)	मराठी

    (क) (अ)-(iv), (ब)-(i), (स)-(ii), (द)-(iii)
    (ख) (अ)-(ii), (ब)-(iv), (स)-(i), (द)-(iii)
    (ग) (अ)-(ii), (ब)-(iv), (स)-(iii), (द)-(i)
    (घ) (अ)-(iv), (ब)-(ii), (स)-(i), (द)-(iii)

उत्तर कुंजी

1. (ख)   2. (ख)   3. (ग)   4. (घ)   5. (क)   6. (क)   7. (क)   8. (ख)   9. (ख)   10. (ख)

SOF organises the World's Biggest Olympiads

SOF has won the trust of millions of parents, schools and teachers across the globe, who are supporting us in conducting our Olympiads. For the academic year 2024-25, more than 96, 499 schools registered and millions of students appeared in the 8 SOF Olympiad exams. Registrations were received from 72 countries across the globe.

SOF has a team of over 500 dedicated Programme Coordinators across cities in India and abroad, to assist schools and students to register, prepare and appear in the SOF Olympiads. SOF welcomes schools and teachers to register with us for conducting SOF Olympiad exams in their respective schools.

CELEBRATING 27 Years of INSPIRING YOUNG MINDS

CS Asish Mohan | R. Ravi | Justice Dipak Misra *Former Chief Justice of India* | Chetan Bhagat | Prof Y S Rajan | Mahabir Singh

Group photo of International award winning Principals and Teachers after the 26th International Annual Award Ceremony with Chief Guest & Guests of Honour

Our Partners

Various International Organisations have partnered SOF to add value to the Olympiads:

Science Olympiad Foundation (SOF) is a registered Educational Organisation popularising Science, Mathematics, English, Computers, Commerce, GK, Social Studies & Hindi. SOF endeavours to develop competitive spirit among students and assist them in acquiring knowledge beyond school curriculum. SOF was established by leading academicians, scientists and media personalities.

The organisation strives to promote a proper understanding of academic subjects through various activities with the ultimate aim of contributing both qualitatively and quantitatively to the education standards.

Science Olympiad Foundation