



Total Questions - 35

Time - 1 hr

PATTERN & MARKING SCHEME				
Section	(1) General Awareness	(2) Current Affairs	(3) Life Skills	(4) Achievers Section
No. of Questions	20	5	5	5
Marks per Ques.	1	1	1	2



Scan the QR code for more details

### SYLLABUS

Me and My Surroundings, Plants and Animals, India and the World, Science and Technology, Language and Literature, Earth and Its Environment, Transport and Communication, Sports, Maths Fun, Life Skills (Moral Values, Team Work, Environmental Sensitivity, Communication, Leadership, Time Management), Current Affairs.

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

1. Select the country where the landmark shown in the picture is situated.

- (A) China (B) U.S.A.  
(C) U.A.E. (D) France



2. Read the given statement carefully and select the correct option.

We eat the stem of plant X. X could be \_\_\_\_\_

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

3. Alexander Graham Bell invented \_\_\_\_\_.

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

4. Identify the name of the device shown in the picture.

- (A) Windmill (B) Solar panel  
(C) Elevator (D) Radar



5. 'Ashoka Chakra' which has \_\_\_\_\_ spokes, is imprinted on Indian National Flag.

- (A) 21 (B) 26 (C) 24 (D) 28

6. The place where you generally see the given sign board is \_\_\_\_\_.

- (A) Inside a house (B) In a zoo  
(C) Near the Airport (D) Outside a post-office



7. Who among the following cricketers is also called 'Gabbar'?

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

Sachin Tendulkar

Virat Kohli

Shikhar Dhawan

Gautam Gambhir

8. Which of the following is NOT situated in Delhi?  
 (A) Taj Mahal (B) Jama Masjid (C) Qutub Minar (D) Red Fort

### ACHIEVERS SECTION

9. Select the correct match.  
 (A) Martyr's Day - 30<sup>th</sup> January (B) World Environment Day - 5<sup>th</sup> July  
 (C) National Science Day - 28<sup>th</sup> March (D) Republic Day - 15<sup>th</sup> August

10. Name of the asana shown here is \_\_\_\_\_.  
 (A) Bhadrasana  
 (B) Vajrasana  
 (C) Surya Namaskar  
 (D) Siddhasana



Total Questions : 35

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	15	10	5	5
Marks per Ques.	1	1	1	2



Scan the QR code for more details

#### SYLLABUS

- Section - 1 :** Word Power : Homophones, Collocations, Spellings, Words related to animals, Household things, Clothes, Basic emotions, Food, Animals and Pets, etc., Synonyms and Antonyms, Gender, Number, Proverbs, Idioms, One Word, Nouns, Pronouns, Verbs, Adverbs, Adjectives, Articles, Prepositions, Simple Tenses, Conjunctions and Punctuation, Basic Questions, Question tags, Jumbled words, etc.
- Section - 2 :** Search for and retrieve information from various text types like Stories, Anecdotes, etc., Understand information through pictures, Time-table format, etc., Acquire broad understanding of and look for specific information in short texts like messages, Invitations, etc.
- Section - 3 :** Ability to understand situation-based variations in functions like apology, greeting, Introduction, request, etc.
- Section - 4 :** Higher Order Thinking Questions - Syllabus as per Sections 1, 2 and 3.

### WORD AND STRUCTURE KNOWLEDGE

1. Find the odd word.  
 (A) French (B) India (C) German (D) Japanese
2. Choose the odd pair.  
 (A) Nurse : Patients (B) Pilot : Airplane (C) Waiter : Guests (D) Teacher : Students
- Direction (Q. No. 3 and 4) : Fill in the blanks.
3. My mother gave me \_\_\_\_\_ useful advice.  
 (A) the (B) a (C) an (D) no article
4. The train \_\_\_\_\_ at 6 pm daily.  
 (A) arrive (B) arrives (C) arriving (D) arrival

### READING

Direction (Q. No. 5 and 6) : Read the article and answer the following questions.

#### KARAOKE

Karaoke was created thirty years ago in Kobe, Japan. It actually means 'empty orchestra' and was popular with businessmen who wanted to relax at the end of a hard day. People could sing confidently along with the help of original tunes. Karaoke has become very popular now among all sections of the society and even as a part of wedding celebrations. Singing songs among friends with musical accompaniment creates a pleasant atmosphere and is so much fun!

5. Singing along with music is enjoyable because \_\_\_\_\_.  
 (A) it is easy and fun to sing with music (B) the songs are popular  
 (C) it is a part of the celebrations (D) everyone is illiterate

6. This form of singing requires \_\_\_\_\_.
- (A) traditional music (B) background music  
(C) live bands (D) recording devices

### SPOKEN AND WRITTEN EXPRESSION

Direction (Q. No. 7 and 8) : Choose one sentence to complete the dialogue.

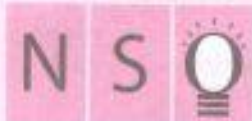
7. Situation: You and your old grandfather want to cross a road safely.  
Response : \_\_\_\_\_
- (A) Let's run, Grandpa (B) Be careful, Grandpa  
(C) Don't stop, Grandpa (D) Let's return, Grandpa

8. Situation: You have to see off a friend, who is going to another country.  
Response : \_\_\_\_\_
- (A) Are you really going away? (B) Don't talk to strangers!  
(C) Have a wonderful journey! (D) Don't forget me!

### ACHIEVERS SECTION

Direction (Q. No. 9 and 10) : Fill in the blanks.

9. You should take your overcoat. It's \_\_\_\_\_ cold outside.  
(A) absolute (B) complete (C) extremely (D) rarely
10. "Where do you get all these fantastic ideas from? I find them totally \_\_\_\_\_! They make no sense at all," yelled Mrs. Wodehouse.  
(A) serious (B) stupid (C) boring (D) tired



SOF NATIONAL  
SCIENCE OLYMPIAD

Total Questions : 35

Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	(1) Logical Reasoning	(2) Science	(3) Achievers Section
No. of Questions	5	25	5
Marks per Ques.	1	1	2



Scan the QR code  
for more details

#### SYLLABUS

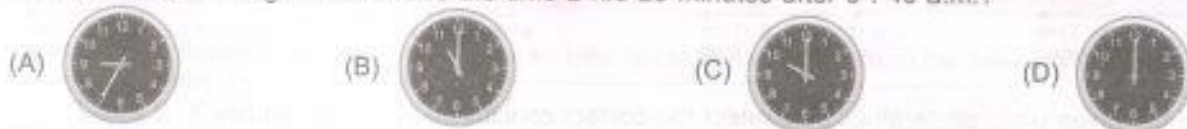
Section - 1 : Patterns, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Figure Matrix, Mirror Images, Geometrical Shapes, Embedded Figures, Possible Combinations, Clock and Calendar.

Section - 2 : Plants and Animals, Birds, Food, Housing, Clothing and Occupation, Transport, Communication and Safety Rules, Human Body, Earth and Universe, Matter and Materials, Light, Sound and Force, Our Environment.

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

### LOGICAL REASONING

1. Which of the following clocks shows the time 2 hrs 20 minutes after 9 : 40 a.m.?



2. Find the missing figure in the figure pattern given below.



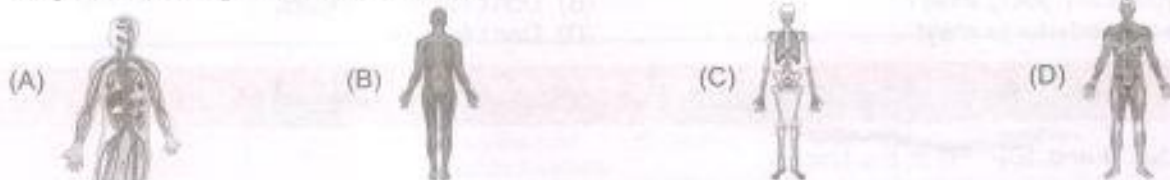
3. Find the odd one out.



4. What can be the reason that a taxi driver has to be more careful when driving on a rainy day than driving on a hot summer day?
- (A) Gravitational force between taxi and road is higher on a hot summer day.  
 (B) Frictional force between taxi and road is lower on a rainy day.  
 (C) Gravitational force between taxi and road is lower on a rainy day.  
 (D) Frictional force between taxi and road is lower on a hot summer day.

5. Water droplets that are too heavy to float make
- (A) Fog (B) Clouds (C) Rain (D) Smoke.

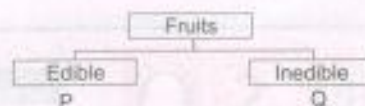
6. Which of these organ systems gives shape and support to our body and protects the important organs of the body such as lungs, brain, heart, etc.?



7. Ducks have
- (A) Short and broad beaks (B) Broad and flat beaks  
 (C) Slender beaks (D) Pointed beaks.

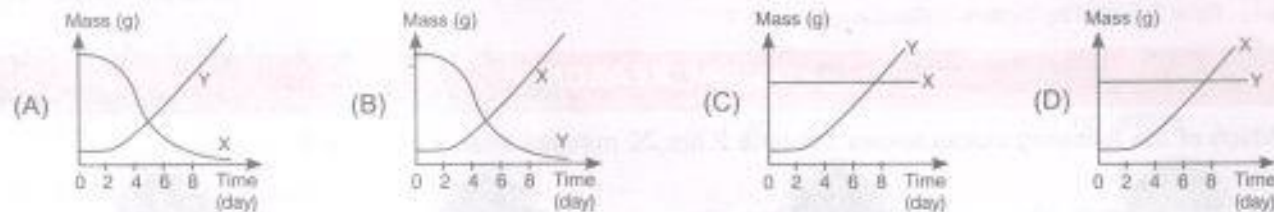
8. Look at the classification table shown. 'P' and 'Q' are correctly represented by \_\_\_\_\_.

P	Q
(A) Potato	Chilli
(B) Mimosa	Kiwi
(C) Plum	Cotton
(D) Litchi	Coconut



ACHIEVERS SECTION

9. When a seedling grows, it depends on the seed leaves for nutrition until the first leaves are formed. Which of the following graph correctly identifies the changes in mass of seed leaf (X) and shoot (Y) over time?



10. Observe the given pictures carefully and select the correct conclusion regarding liquids X, Y and Z.



- (A) Liquid X is transparent and liquid Z is translucent.  
 (B) Liquid Y is opaque and liquid Z is translucent.  
 (C) Liquid X is transparent and liquid Z is opaque.  
 (D) Liquid Y is transparent and liquid Z is opaque.

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



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**SYLLABUS**

**Section - 1 :** Patterns, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Figure Matrix, Mirror Images, Geometrical Shapes, Embedded Figures, Possible Combinations, Clock and Calendar.

**Section - 2 :** Numerals, Number Names, Number Sense (4-digit numbers), Computation Operations, Fractions, Length, Weight, Capacity, Temperature, Time, Money, Geometry, Data Handling.

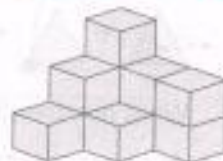
**Section - 3 :** Syllabus as per Section - 2.

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

**LOGICAL REASONING**

1. Find the number of cubes in the given figure.

- (A) 9
- (B) 10
- (C) 11
- (D) 12

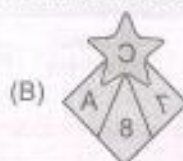


2. Find the combination of numbers so that the given letters are arranged accordingly to form a meaningful English word.

E A C S L  
1 2 3 4 5

- (A) 2, 3, 4, 1, 5
- (B) 4, 3, 2, 5, 1
- (C) 4, 2, 3, 5, 1
- (D) 4, 3, 1, 5, 2

3. Select the correct mirror image of the given figure, if mirror is placed along MN.



**MATHEMATICAL REASONING**

4. There are two possible routes that Akshita can take to reach her school from her house. Which route is shorter and by how much?

- (A) P, 230 m
- (B) Q, 236 m
- (C) P, 236 m
- (D) Q, 230 m



5. The missing number in the box is \_\_\_\_\_.

$$1242 + 3 = \square + 8$$

- (A) 3213
- (B) 3312
- (C) 4132
- (D) 1292

6. The difference between 5038 and 512 is \_\_\_\_\_ the product of 453 and 8.

- (A) Greater than
- (B) Less than
- (C) Equal to
- (D) Can't be determined

## EVERYDAY MATHEMATICS

7. Priti is learning sign language in a special school. She learned 78 signs in the first 2 months. She learned 112 signs in the next 3 months. How many signs did she learn in all?  
 (A) 170 (B) 180 (C) 190 (D) 135
8. In Meeku's school, the lunch time is from 12:15 p.m. to 1:20 p.m. What is the duration of the lunch time?  
 (A) 1 hr 15 minutes (B) 1 hr 5 minutes  
 (C) 1 hr 20 minutes (D) 1 hr

## ACHIEVERS SECTION

9.  $\triangle \times \triangle = \star$   
 $\triangle + \triangle + \triangle + \triangle = \star$   
 What number does  $\star$  represent?  
 (A) 4 (B) 16 (C) 25 (D) 36

10. Find the values of P, Q, R and S respectively.  
 (A) 2, 3, 5, 3 (B) 2, 3, 5, 1  
 (C) 3, 5, 3, 2 (D) 2, 4, 8, 3

$$\begin{array}{r} 23RS \\ + PQR78 \\ \hline 5910 \end{array}$$



Total Questions : 35

Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Computer Science	(3) Information Technology	(4) Achievers Section
No. of Questions	5	20	5	5
Marks per Ques.	1	1	1	2



Scan the QR code for more details.

### SYLLABUS

**Section - 1 :** Patterns, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Figure Matrix, Mirror Images, Geometrical Shapes, Embedded Figures, Possible Combinations, Clock and Calendar.

**Section - 2 :** Fundamentals of Computer, General Information about Computers, Storage Devices, Parts of Computer, Uses of Computer, Input and Output Devices, Introduction to Internet, MS-Paint, Introduction to MS-Word (Opening, Closing, Saving and Printing a Word document, Components of MS-Word window, Editing commands like Cut, Copy, Paste, Undo and Redo, Moving in a document using Home and End Keys).

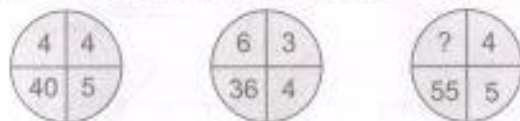
**Section - 3 :** IT Gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.

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

Questions are based on Windows 10 and MS-Office 2016.

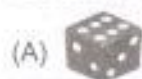
## LOGICAL REASONING

1. Find the missing number, if same rule is followed in all the three figures.



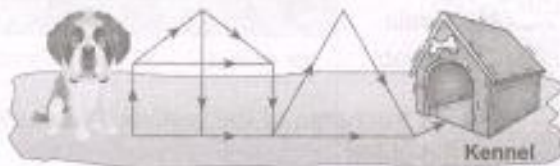
- (A) 6 (B) 7 (C) 5 (D) 8

2. Select the odd one out.



3. In how many different ways can the dog reach to the kennel?

- (A) 10  
(B) 11  
(C) 9  
(D) 8




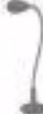


### COMPUTER SCIENCE

4. Which of the following options represents Polygon tool in MS-Paint of Windows 10?

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

5. Which among the following is a cursor control input device?

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

6. A computer should be protected from \_\_\_\_\_.

- (A) Dust (B) Liquid items (C) Light (D) Both (A) and (B)

### INFORMATION TECHNOLOGY

7. Identify the following app.

- It is an app developed by YouTube.
- It offers a safe and controlled environment for children to explore and learn.

- (A)  (B)  (C)  (D) All of these



8. Which of the following is the first humanoid robot to get citizenship?

- (A) Vyommitra (B) Sophia (C) Manav (D) Ameca

### ACHIEVERS SECTION

9. Which of the following statements hold(s) true about  of MS-Word 2016?

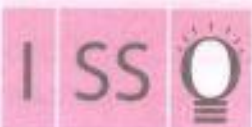
Statement 1 : You can access it from the Home tab.

Statement 2 : You can access it by pressing  +  keyboard shortcut.

- (A) Only Statement 1 (B) Only Statement 2  
(C) Both Statement 1 and Statement 2 (D) Neither Statement 1 nor Statement 2

10. A program that searches for web documents with keywords you specify.

- (A) Search Engine (B) E-mail (C) Website (D) Folder



SOF INTERNATIONAL  
SOCIAL STUDIES OLYMPIAD

Total Questions : 35

Time : 1 hr.

PATTERN & MARKING SCHEME		
Section	(1) Social Studies	(2) Achievers Section
No. of Questions	30	5
Marks per Ques.	1	2



Scan the QR code  
for more details

#### SYLLABUS

Section - 1 : Basic Needs, Festivals and Celebrations, People Who Help Us, Solar System and Our Earth, Our Environment, India - Our Motherland, India - Our Heritage, Our Ancestors - Early Life and Civilisation, Connecting People

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

1. *Makki ki roti* and *sarson ka saag* is mostly eaten by people of \_\_\_\_\_.
- (A) Kerala (B) West Bengal  
(C) Punjab (D) Madhya Pradesh
2. What is the name of the festival that marks the end of the fasting month of Ramzan?
- (A) Eid-ul-Fitr (B) Eid-al-Adha  
(C) Eid-e-Milad (D) None of these
3. Raman works in an observatory. He studies space and the objects like planets, stars and galaxies found in it. What is his profession?
- (A) Astronomer (B) Florist  
(C) Astronaut (D) Pilot
4. This type of landform is surrounded by water on all sides. Lakshadweep is an example of this landform. Name it.
- (A) Hill (B) Mountain  
(C) Desert (D) Island
5. Which of these items you can recycle?
- (A) Paper bags (B) Glass tumblers  
(C) Metal bowls (D) All of these
6. Which of the following is NOT a capital city?
- (A) Dispur (B) Amritsar  
(C) Bhopal (D) Aizawl
7. During this harvest festival in Tamil Nadu, people worship the Sun and cows. Sweet rice is cooked in decorated pots. Identify this festival.



- (A) Bihu (B) Vijayadashami (C) Pongal (D) Chhath Puja
8. In the beginning, the early man settled near \_\_\_\_\_.
- (A) Mountain (B) Hill  
(C) River banks (D) None of these

### ACHIEVERS SECTION

9. Unscramble the given letters and select the option that gives the name of cheapest means of transport.
- (A) REAPOALNE (B) IBCCYEL  
(C) HSPI (D) PEHILTCORE
10. Refer to the given statements regarding a dance form.
- It is a dance form of Kerala.
  - It is well known for its elaborate make-up and costumes.
  - It enacts the stories of kings, gods, goddesses and demons.
- Which dance form are we talking about?
- (A) Manipuri (B) Kathakali  
(C) Odissi (D) Kathak



पैटर्न तथा अंक योजना			
खंड	(1) शब्द और व्याकरण बोध	(2) रचनात्मक बोध	(3) मेधावी खंड
प्रश्नों की संख्या	20	10	5
अंक प्रति प्रश्न	1	1	2



Scan the QR code  
for more details

**पाठ्यक्रम**

खंड-1: हमारी भाषा, वर्ण एवं वर्णमाला, शब्द और वाक्य, संज्ञा, सर्वनाम एवं विशेषण, लिंग एवं वचन, क्रिया, शब्द-भंडार, शुद्ध एवं अशुद्ध शब्द, विभक्ति, शब्दकोश, सामान्य हिंदी ज्ञान

खंड-2: अपठित गद्यांश एवं मुहावरें

खंड-3: उष्णतम क्रम तीन कौशल आधारित प्रश्न- खंड 1 और 2 के पाठ्यक्रम के अनुसार

**शब्द और व्याकरण बोध**

1. दिए गए चित्र को देखकर भाषा का रूप बताइए-



- (क) मौखिक (ख) लिखित (ग) सांकेतिक (घ) इनमें से कोई नहीं

2. 'क्ष' अक्षर \_\_\_\_\_ वर्णों से मिलकर बना है।

- (क) क् और ष (ख) श् और र (ग) क् और श (घ) ज् और ज

3. फरवरी (लीप वर्ष) के महीने में कितने दिन होते हैं?

- (क) 28 (ख) 30 (ग) 29 (घ) 31

4. दिए गए चित्र का नाम पहचानकर उसका क्लोम शब्द बताइए-



- (क) पृथ्वी (ख) बादल (ग) चाँद (घ) आसमान

5. निम्नलिखित शब्दों में से शुद्ध शब्द का चयन कीजिए-

- (क) ग्रह (ख) गर्ह (ग) गरह (घ) उपरोक्त सभी

6. निम्नलिखित शब्दों में से कौन-सा संज्ञा शब्द नहीं है?

- (क) ताजमहल (ख) बचपन (ग) सरदी (घ) मीठा

**रचनात्मक बोध**

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

जीवन का सबसे बड़ा सुख निरोगी काया है। सेहत ही सबसे बड़ी पूँजी है। स्वस्थ व्यक्ति ही संसार के सारे सुखों का आनंद ले सकता है। स्वस्थ व्यक्ति अदम्य साहस तथा उत्साह का खान होता है। मानव शरीर, ईश्वर की देन है और उसे स्वस्थ रखना हमारा काम है। स्वस्थ शरीर में ही स्वस्थ मस्तिष्क रहता है। शरीर की पूर्ण देखभाल, उचित खान-पान तथा नियमित व्यायाम द्वारा ही की जा सकती है। जीवन में खेलों का बहुत महत्व है। खेलों से हमारा स्वास्थ्य सही रहता है। शरीर में चुस्ती-फुर्ती आती है। स्नान का संधार तेज होता है। खेलों से हमारी क्षमता बढ़ जाती है। खेलों से हमारा शारीरिक, मानसिक तथा बौद्धिक विकास होता है।

7. जीवन में किसका महत्व है?

(क) धन का

(ख) खेलों का

(ग) दुखों का

(घ) आलस का

8. सबसे बड़ी पूँजी क्या है?

(क) रुपया-पैसा

(ख) सोना-चाँदी

(ग) सेहत

(घ) खेल

### मेधावी खंड

9. निम्नलिखित पर्यायवाची शब्दों का उनके चित्रों से मिलान कर उचित विकल्प का चयन कीजिए-

(अ) अंबा, जननी

(i)



(ब) सूरज, रवि

(ii)



(स) पंछी, खग

(iii)



(द) भरा, वसुधा

(iv)



(क) अ-(iii), ब-(iv), स-(i), द-(ii)

(ख) अ-(ii), ब-(i), स-(iv), द-(iii)

(ग) अ-(iii), ब-(ii), स-(i), द-(iv)

(घ) अ-(ii), ब-(iv), स-(i), द-(iii)

10. निम्नलिखित वाक्यों को पढ़कर उचित विकल्प का चयन कीजिए-

(अ) वर्णों के क्रमिक एवं सार्थक समूह को वाक्य कहते हैं।

(ब) संज्ञा के स्थान पर आने वाले शब्द सर्वनाम कहलाते हैं।

(स) लिंग के दो भेद होते हैं।

(द) बड़ा, चार, लाल आदि विशेषण शब्द हैं।

(क) केवल (अ) सही है।

(ख) (अ) और (ब) दोनों सही हैं।

(ग) केवल (स) सही है।

(घ) (ब), (स) और (द) तीनों सही हैं।



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## ANSWERS

IGKO - 1. (D) 2. (A) 3. (A) 4. (B) 5. (C) 6. (C) 7. (C) 8. (A) 9. (A) 10. (A)
IED - 1. (B) 2. (B) 3. (B) 4. (B) 5. (A) 6. (B) 7. (B) 8. (C) 9. (C) 10. (B)
NSO - 1. (D) 2. (B) 3. (B) 4. (B) 5. (C) 6. (C) 7. (B) 8. (C) 9. (A) 10. (C)
IMO - 1. (C) 2. (B) 3. (B) 4. (C) 5. (B) 6. (A) 7. (C) 8. (B) 9. (B) 10. (C)
ICSO - 1. (B) 2. (C) 3. (A) 4. (B) 5. (B) 6. (D) 7. (C) 8. (B) 9. (A) 10. (A)
ISSO - 1. (C) 2. (A) 3. (A) 4. (D) 5. (D) 6. (B) 7. (C) 8. (C) 9. (B) 10. (B)
IHO - 1. (ख) 2. (क) 3. (ग) 4. (घ) 5. (क) 6. (घ) 7. (ख) 8. (ग) 9. (घ) 10. (ख)

