

General Knowledge

# GK

INSIGHT

with Life Skills and Values

7

by

**Shilpi Jha**  
B.A., B.Ed.



# CONTENTS

<b>Unit-1 The Wonderful Nature</b>		
1. Superlatives in Nature	8	
2. Animal World	9	
3. Kingdom of the Ocean	10	
4. Adaption in Animals	12	
5. Plant Facts	13	
6. Green Earth	14	
7. Agricultural Terms	15	
8. Fruity Quiz	16	
<b>Unit-2 Language &amp; Literature</b>		
9. Word Game	17	
10. Anagrams	18	
11. Homonyms and Homophones	19	
12. The Indian Epics	20	
13. Amar Chitra Katha	21	
14. From the World of Books	22	
15. Classics of Literature	23	
16. Fact and Fiction	24	
17. World of Shakespeare	25	
● Quick Test-1	26	
<b>Unit-3 The Amazing India</b>		
18. The Indian Constitution	28	
19. Rewarding Excellence	29	
20. National Parks	30	
21. Historical Significance	31	
22. Quiz on India	32	
23. Going Places	33	
24. Amazing Tourism Logos	34	
25. Taste of India	35	
<b>Unit-4 The World Around Us</b>		
26. Landmark Structures	36	
27. Parliaments of the World	38	
28. The United Nations	39	
29. Sobriquets	40	
30. Special Names	41	
31. Great Leaders of the World	42	
32. The Nobel Prize	43	
● Quick Test-2	44	
<b>Unit-5 Sports &amp; Entertainment</b>		
33. Athletic Games	46	
34. Sports Cups and Trophies	47	
35. Football Quiz	48	
36. The Paralympic Quiz	49	
37. Martial Arts	50	
38. Play by the Rule	51	
39. Celebrated Celebs	52	
40. Music Quiz	53	
<b>Unit-6 Science &amp; Technology</b>		
41. Indian Science	54	
42. Diseases and Disorders	55	
43. Interesting Inventions	56	
44. Global Scientists	57	
45. Our Universe	58	
46. Exploring Space	59	
47. Universal Substances	60	
48. The Cyber World	61	
● Quick Test-3	62	
<b>Unit-7 Values &amp; Life Skills</b>		
49. Self-reliance	63	
50. World of Mascots	64	
51. First-aid	65	
52. "Quotable Quotes"	66	
<b>Unit-8 Train Your Brain</b>		
53. Test Your Mental Ability	67	
54. Reasoning & Maths	68	
55. Logical Reasoning	69	
56. Mend Your Mind	70	
57. Test Your Wits	71	
58. Mathemagic	72	
59. Test of Reasoning	73	
60. Sudoku	74	
● Quick Test-4	75	
❖ Half-Yearly Assessment Paper	76	
❖ Annual Assessment Paper	77	
❖ Olympiad Model Paper	78	
◆ Answer Sheet	79	
● UN Sustainable Development Goals	80	
	81	
	82	
	83	
	85	
	88	

## Unit - 1



### The Wonderful Nature

- ✧ Superlatives in Nature
- ✧ Animal World
- ✧ Kingdom of the Ocean
- ✧ Adaption in Animals
- ✧ Plant Facts
- ✧ Green Earth
- ✧ Agricultural Terms
- ✧ Fruity Quiz



### LEARNING SKILLS/OUTCOMES AS PER NEP 2020

- HD Observation
- HD Curiosity
- CS Information

For Unit - 1

For Unit - 2

- HD Cognitive
- CS Information
- CS Communication
- CC Subject Integration

## Unit - 2



### Language & Literature

- ✧ Word Game
- ✧ Anagrams
- ✧ Homonyms and Homophones
- ✧ The Indian Epics
- ✧ Amar Chitra Katha
- ✧ From the World of Books
- ✧ Classics of Literature
- ✧ Fact and Fiction
- ✧ World of Shakespeare



Some animals are blessed with special features and skills.



# Superlatives in Nature



Listed below are the unique characteristics of some such animals. Identify the animal in each case using the clues at the bottom.



- 1 The largest underwater carnivore  
.....
- 2 The heaviest flying bird  
.....
- 3 The heaviest mollusc  
.....
- 4 The only cat which cannot retract its claws  
.....
- 5 World's heaviest snake  
.....
- 6 The biggest breed of cats  
.....
- 7 The smallest bird  
.....
- 8 A tiny animal whose baby is the biggest in proportion to adults  
.....
- 9 The fastest swimming mammal  
.....
- 10 The fastest dog  
.....
- 11 The biggest predator in the animal kingdom  
.....

### Hint Box

Male Bee Hummingbird, Great White Shark, Greyhound, Killer Whale, Cheetah, Maine Coon, Green Anaconda, Giant Squid, Pygmy Marmoset, Blue Whale, Kori Bustard

### Fact File

The loudest insect in the world is the male cicada. It rubs its abdomen so loud that it can be heard from a distance of 400 metres.





Identify these animals and fill in the blanks :

- 1 Found on a few islands in Indonesia, the ..... is the largest living lizard in the world. It can grow to a length of 3 m and can weigh over 60 kg.



- 2 The ..... is a member of the camel family. It is found in South America and is mostly used as a pack animal or as a livestock guard.

- 3 The largest big cat found in the America is the ..... Its spotted coat resembles that of the leopard and it is known for its exceptionally powerful bite.



- 4 The only flightless parrot in the world is the ..... It is also one of the heaviest species of parrots and is nocturnal. Hence, it is also known as the 'owl parrot'.

- 5 The ..... is a wild goat with long, backward-curving horns. It is an excellent climber and prefers to occupy steep, rocky terrain. It is found in the Alpine forests of Europe.



- 6 The ..... is a large ape found in the forests of Borneo and Sumatra. It has reddish-brown fur and mainly feeds on fruits. It is known for building elaborate sleeping nests on trees at night.

- 7 The ..... is a short-legged Australian animal. The pouch on its body faces backward, preventing dirt from entering the body when the animal digs burrows in the soil.



- 8 The ..... belongs to the giraffe family. It has zebra-like black and white stripes on its legs and is found in the rainforests around the Congo River in Africa.

## Hint Box

Okapi, Jaguar, Orangutan, Alpine Ibex, Llama, Kakapo, Wombat, Komodo Dragon

Two-thirds of our planet is covered by oceans. These oceans and their coastlines are amazingly rich in marine life.



Identify these marine species and write their names :

1



This small invertebrate marine animal begins its life as a tiny, free swimming larvae. It catches zooplanktons using the tentacles that surround its mouth and feeds on them. It lives in large colonies, called coral reefs, in warm, shallow waters.

This one ranges in colour from brown to orange to pink. Its body consists of a disk with a mouth in the centre of the underside, and a number of radiating arms or rays. Most of them can grow another arm if they lose one.



3



Also known as swellfish, blowfish, fugu and globefish, it is characterised by its ability to puff up to about twice its normal size by gulping water. Different parts of its body such as the liver, muscles, skin and ovaries contain a poisonous substance.

This brown seaweed has a long, ruffled shape. It attaches itself to rocks and serves as a good hiding place for small fish and crustaceans. It has nutritional properties that are beneficial for humans.



5



Its two hard shells and a soft body make it a bivalve. It stays mostly on the sea floor, squirting water out of its shells by rapidly opening and closing them.

A ten-legged crustacean, it can walk sideways and lives in the oceans as well as on the land. Its exoskeleton protects it from predators, besides providing support.



7



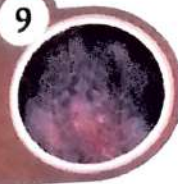
This deep-sea dweller has many light-producing organs along its body, especially in its belly. Its bio-luminescent organs light up as it swims through dark surroundings, helping it to attract and trap prey. ....

It has a streamlined body, full around the middle and narrowing to a paddle-shaped tail. With its wrinkled, grey-brown, spongy skin, it resembles the walrus. ....

8



9



A majority of this kind of algae lives in tropical marine habitats and most members of this species are multicellular. In order to complete its life cycle, this algae goes through several stages of development as independent organisms. ....

This strong survivor is believed to have surfed through our oceans even before the dinosaur walked on the earth. Its skeleton is made of cartilage, which is a tough, fibrous substance. Its streamlined body shape helps it to glide smoothly through the water. It contains five to seven gill slits, which it uses for respiration. ....

10



11



Its body is composed of a bell-shaped jelly-like substance that encloses its internal structure. Its tentacles are covered with stinging cells that sting or kill other animals. The sting is often used to attack and catch prey or as a defense mechanism. ....

It is a flowering plant that grows underwater. Like land plants, it produces oxygen. Its leaves are long and narrow and often very green. Since this plant requires light to grow, it mostly occurs in shallow coastal waters. ....

12



### Hint Box

Shark, Manatee, Seagrass, Crab, Jellyfish, Lanternfish, Rhodophyta or the red algae, Scallop, Coral polyps, Kelp, Pufferfish, Starfish



### Fact File

Providing a home to more than a quarter of all marine species, coral reefs are one of the most biodiverse habitats on the earth. But climate change, human exploitation and natural predators are all causing their rapid decline.



# ADAPTION in ANIMALS

4

Identify the following animals, and fill the boxes to complete their names.



It is amongst the most widely found frogs around the Arctic Circle. It remains frozen for about 2 to 3 months each winter, with its body temperature ranging between  $-1^{\circ}\text{C}$  and  $-6^{\circ}\text{C}$ . When spring finally arrives, its heartbeat and breathing return.

[ ] [ o ] [ ] [ d ] [ ] [ r ] [ ] [ ] [ ]



This member of the dog family can change its colour. Its fur is white or grey-blue during the winter, and grey-brown or grey during the summer, helping it camouflage. Its long, bushy tail, also called a sweep, helps it to change direction quickly, and keeps its feet and nose warm when it curls up to sleep.

[ ] [ r ] [ ] [ ] [ i ] [ ] [ ] [ o ] [ ]



This lizard has a skin flap which looks like a frill encircling its neck, which it can raise suddenly when threatened to surprise its enemy. This can make its head look several times its normal size.

[ ] [ r ] [ ] [ ] [ l ] [ ] [ l ] [ ] [ ] [ r ] [ ]



This animal will remind you of Santa Claus! Sometimes also called the Caribou, it lives in the Arctic tundra, and in the forests and mountains of North America and Northern Asia. Its diet consists of moss, which helps it to keep its body fluids warm. It can lower the temperature in its legs to just above freezing point to prevent the loss of body heat.

[ R ] [ ] [ ] [ n ] [ ] [ ] [ e ] [ ]



They are one of the six biggest kinds of snakes in the world. They can grow up to 4-6 metres in length. The largest ones are always females. Their hinged jaws can separate which allows them to swallow larger preys almost four to five times larger than their head.

[ B ] [ ] [ r ] [ m ] [ ] [ s ] [ ] [ ] [ y ] [ t ] [ ] [ ] [ n ]

## Fact File

The Japanese macaque monkeys, also called snow monkeys, mostly live in the cold mountainous areas of Japan. They keep themselves warm by bathing in the local hot springs. They are even known to cook their vegetables in the warm water before eating them!



Plants are one of the main groups of living things. Most of them are green, some eat insects, some bear flowers, while some don't.



# PLANT FACTS

1



Here are a few interesting facts about various plants :

The Elephant Grass found in Africa is up to 14 feet tall. It is called so because an elephant can hide in it.

2



The rat-eating plant is a giant carnivorous plant and is among the largest of all pitchers. It is believed to be the largest meat-eating shrub, which not only eats insects but also rodents.

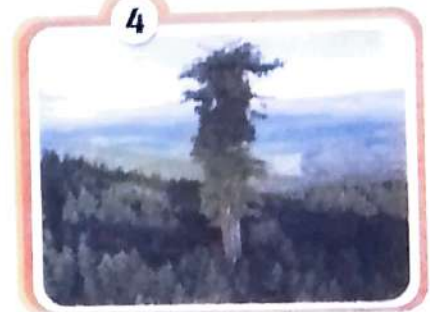
3



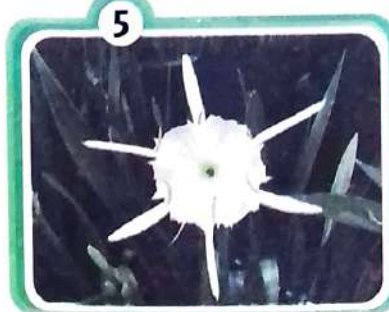
The largest seed in the world is the 'double coconut'. It is also known as 'sea coconut'.

Hyperion is a redwood tree in Northern California, which is 379.3 feet tall. It is the tallest known living tree. It is taller than the Big Ben in London and the Statue of Liberty in New York.

4



5



The Hymenocallis Plant has inspired the design of the Burj Khalifa, currently the world's tallest tower. Like the petals or a stem, the tower's wings extend from its central core.

Answer the following questions by choosing the correct option.

- What is the scientific study of plant life known as?  
 (a) Zoology  (b) Botany  (c) Pathology
- Which of these plants is carnivorous?  
 (a) Turmeric  (b) Mint  (c) Pitcher Plant
- Which of these trees produces the lightest wood?  
 (a) Teak  (b) Fir  (c) Balsa
- Which part of the plant is cinnamon obtained from?  
 (a) Bark  (b) Fruit  (c) Root
- What name is given to trees that shed their leaves annually?  
 (a) Vines  (b) Evergreen  (c) Deciduous
- Which tree is called the Flame of the Forest?  
 (a) Laburnum  (b) Gulmohar  (c) Neem
- Which of these is not a coniferous tree?  
 (a) Fir  (b) Spruce  (c) Oak
- From which plant do we obtain the medicine quinine to treat malaria?  
 (a) Cinchona  (b) Balsam  (c) Mulberry
- Which of these is a poisonous plant?  
 (a) Foxglove  (b) Bougainvillea  (c) Rose
- Which of these cannot be classified as a grass?  
 (a) Bamboo  (b) Radish  (c) Wheat



# AGRICULTURAL TERMS

Identify these terms related to farming :

- 1 Fertilizers derived from animal or plant matter.
- 2 Farming carried out without the use of artificial chemicals.
- 3 A substance that destroys unwanted plants, thus reducing the competition for water, nutrients and light.
- 4 Organic matter which contains the remains of dead plants and animals.
- 5 Supplying water to land or soil through channels.
- 6 Growing two or more types of crops in succession on the same land.
- 7 Type of farming in which the farmer produces just enough to meet his personal needs.
- 8 Farming that involves high inputs of capital, labour, pesticides and fertilizers.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Hint Box

Organic Farming, Weedicide, Crop Rotation, Intensive Farming, Compost, Biological Fertilizers, Subsistence Farming, Irrigation

Take this quiz on some lesser-known fruits :



1 It is a large fruit with a thorny skin and a very strong, unpleasant odour. However, due to its unique taste, in Malaysia and Indonesia, it is referred to as the King of Fruits.



2 This fruit is native to Southeast Asia and somewhat resembles the litchi. It has a leathery skin with spines and a sweet, translucent pulp. The seeds of the fruit are also edible.



3 This large, yellow or orange fruit looks like a horned melon. Its dark green pulp tastes like a combination of banana, lemon and cucumber. It is used in smoothies and sundaes or for garnishing.



4 This star-shaped tropical fruit with five ridges along its sides is native to Asia. It has a sweet and tangy taste and is mostly used in cooking.



5 This fruit grows in Southeast Asia and some parts of South America. It has a purple exterior and its inner white flesh is edible. The fruit is believed to have many health benefits.



6 This dark purple fruit is widely grown in many parts of the world. Its soft pulp is often blended with orange or pineapple juice to enhance the aroma.



7 It mainly grows on a type of cactus plant in South America. The purple fruit has a spiny skin and its pulp is mostly used to make jams, candies and jellies.



8 It is a medium-sized fruit of a cactus variety. It is bright pink or red in colour and has a scaly skin with leaves. Its white pulp is creamy and sweet.

**Hint Box**

Mangosteen, Dragon Fruit, African Cucumber, Durian, Prickly Pear, Passion Fruit, Rambutan, Star Fruit



# Word GAME



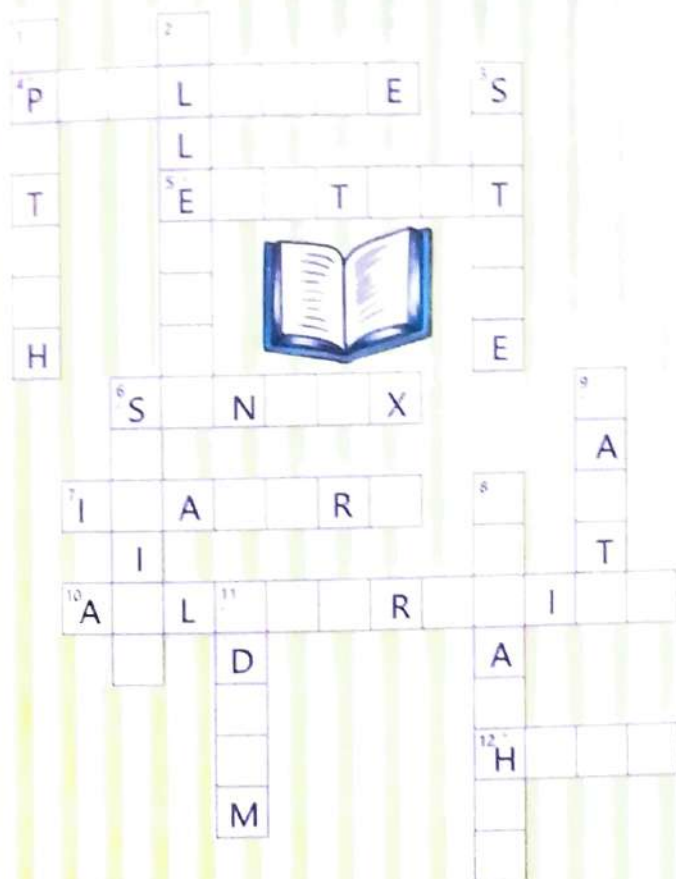
Complete this crossword puzzle of literary terms using the clues given below. Choose the correct answer to the word game :

**Across (→)**

- A poem or speech, usually at the beginning of a play, which introduces the contents.
- An adjective or phrase that is used either to describe a character, to praise or criticise it.
- The rules of grammar that describe the way words and phrases are put together to form sentences in a language.
- Use of language that creates pictures in the minds of people reading or listening.
- Use of the same sound or letter at the beginning of words that are close together in a phrase or sentence.
- Use of exaggerated language to stress upon the importance of something.

**Down (↓)**

- A short text of honour on a gravestone.
- A story, poem or picture that can be interpreted to reveal a hidden meaning.
- A piece of writing that uses humour to bring out faults in a person, an institution, or some idea.
- A figure of speech in which one thing is directly compared to another.
- A figure of speech in which one thing is described in terms of another.
- One of the divisions of a long poem, such as an epic.
- An expression that adds colour to language.



An anagram is a word formed by rearranging the letters of another word.

10

# A N A G R A M S

With the help of the clues, make anagrams for the following words. One has been done for you :

- |     |      |                                    |      |
|-----|------|------------------------------------|------|
| 1.  | sink | A body organ                       | skin |
| 2.  | feat | Destiny                            |      |
| 3.  | rock | Stopper for a bottle               |      |
| 4.  | fear | Transport charge or cost           |      |
| 5.  | deaf | Become light                       |      |
| 6.  | edit | Regular intake of food and drink   |      |
| 7.  | grab | Boast                              |      |
| 8.  | leak | Water body                         |      |
| 9.  | once | Triangular shape                   |      |
| 10. | balm | Young one of sheep                 |      |
| 11. | face | Small restaurant                   |      |
| 12. | last | Crystalline substance used in food |      |
| 13. | keen | Part of lower limb                 |      |
| 14. | icon | Currency                           |      |
| 15. | hire | One who inherits a property        |      |
| 16. | time | Object                             |      |

Homonyms are words which differ in meaning but are spelt and pronounced the same way. For example, fast (quick) and fast (a period during which you do not eat food). Homophones are the words that have the same pronunciation, but have different meanings and spellings. For example, blue and blew; tail and tale.



# Homonyms And HOMOPHONES

A. Write homonyms or homophones for the following words. Clues have been provided in the brackets:

1. Cue — (A row of people) .....
2. Stationery — (In one place, not moving) .....
3. Gate — (Manner of walking) .....
4. Cash — (Hidden store of weapons) .....
5. Metal — (Ability to endure) .....
6. Complement — (Expression of praise or admiration) .....
7. Peek — (A feeling of annoyance) .....
8. Isle — (Passage between rows) .....
9. Key — (A place for loading and unloading ships) .....

B. Complete these sentences with the appropriate homonyms or homophones:

1. I thought she has a f..... (knack) for teaching. But the fact that she f..... (gets angry) up while dealing with her students, made me change my mind.
2. A Tibetan monk may sometimes be called a L....., while the L..... is a beast of burden in South America.
3. His a..... in the organisational hierarchy depends on the chairperson's a.....
4. The students of history said, 'I c..... (to speak words taken from a book) this text to prove that the s..... (area) on which the ancient monument stood was ravaged by floods.'
5. There was d..... (disagreement) among the nobles about the succession of the princess to the throne of England, but they had to agree as she traced her d..... (ancestry) from the Tudors.



## Fact File

What is the difference between a cat and a comma? One has claws at the end of its paws while the other is pause at the end of a clause!



# The Indian Epics

## A. Who am I? Unscramble the letters to find out :

- 1 I assumed a shape of the golden deer which attracted Sita (CHAMEERA)
- 2 The Pandavas killed an elephant that bore my name and convinced my father by believing that I was dead (TAWHASMAMA)
- 3 I did penance to be reborn as Shikhandi and brought about Krishna's death (BAMA)
- 4 I am the only sister of the Kauravas (ALASHUD)
- 5 I am the mother of Ravana, the Lord of Lanka, whose father is sage Vishwamitra (KASHI)
- 6 I am Bhima's son by his second wife, Hidimbi. An animated film was made about me in 2008. (THAAKCHGTOA)
- 7 My name means 'born in a vessel' (NARDO)
- 8 I am the bear in Rama's army (BANAJAVAM)
- 9 I am a counsellor, the son of the sage Vyasa (DRAVIU)

## B. Name them :

- 1 He directed the successful Indian television series Mahabharata (VARL HCCAPP)
- 2 He translated the Ramayana into Tamil for the first time (BANKAM)
- 3 He translated the Ramayana into Persian during the reign of Emperor Akbar (DAIBAN)
- 4 He wrote a novel based on the Mahabharata, in which the characters lived the story through the freedom struggle. (HASHISHORTAOR)
- 5 He was the director of the television series Ramayan. (ANDNAMPRAGASA)



### Fact File

- The Bhagavad Gita, an important part of the Mahabharata, is the most translated Indian work. It was first translated into English by Charles Wilkins in 1785.
- The Ramayana is called Ramakien in Thailand.



Identify the cover pages of these famous Amar Chitra Katha books



**Hint Box**

Jesus Christ, Mahavira, Savitri,  
Kalidasa, Mirabai, Salim Ali,  
Anant Pal, Kumbhakarna



# From the World of Books

Read the clues given below and write the character and its creator with the help of the 'Hint Box' :

1 This young boy gets lost in an Indian jungle and is raised by wolves. He lives amidst wild animals, some of whom are friendly while others are not.

Character : ..... Creator : .....



2 This detective is famous for his keen observation and incredible ability to solve difficult cases. He is ably supported by his assistant Dr Watson.

Character : ..... Creator : .....

3 He is a boy who never wants to grow up. He runs away to the island of Neverland and becomes the leader of a gang called "The Lost Boys".

Character : ..... Creator : .....



4 She is a young girl with magical powers. With the support of a loving school teacher, she teaches the cruel Principal Miss Trunchbull a lesson.

Character : ..... Creator : .....

5 A young boy who is sent away to a boarding school goes through various experiences as he grows from childhood to maturity.

Character : ..... Creator : .....



6 A girl falls down a rabbit hole and enters a fantasy world full of strange creatures such as the March Hare and Cheshire Cat.

Character : ..... Creator : .....

7 He is a friendly bear who loves honey. He lives in the Hundred Acre Wood with his friends and often gets into trouble while trying to help others.

Character : ..... Creator : .....



8 The story of a young, naughty boy from Malgudi who is always up to mischief. However, with his innocent charms, he ends up winning people's hearts.

Character : ..... Creator : .....

## Hint Box

**CHARACTERS** : Swami, Mowgli, Winnie the Pooh, Alice, Peter Pan, David Copperfield, Matilda, Sherlock Holmes

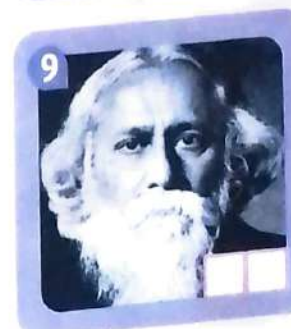
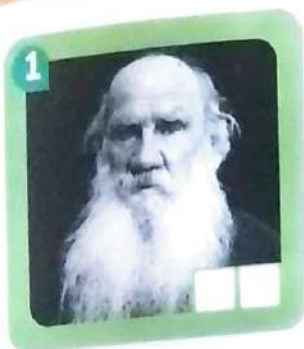
**CREATORS** : Lewis Carroll, Roald Dahl, A.A. Milne, J.M. Barrie, Rudyard Kipling, Charles Dickens, Arthur Conan Doyle, R.K. Narayan



Given below are the names of some literary classics along with the pictures of their authors. Name the authors using the options given below :

- I Gitanjali  
 II The Comedy of Errors  
 III The Pickwick Papers  
 IV War and Peace  
 V Gone with the Wind

- VI The Three Musketeers  
 VII Pygmalion  
 VIII Doctor Zhivago  
 IX The Adventures of Sherlock Holmes  
 X Godaan



### Hint Box

a. Sir Arthur Conan Doyle, b. Munshi Premchand, c. Leo Tolstoy, d. Rabindranath Tagore, e. Boris Pasternak, f. Charles Dickens, g. Alexandre Dumas, h. William Shakespeare, i. George Bernard Shaw, j. Margaret Mitchell

An autobiography is a book about the life of a person, written by that person. Fiction is any type of imaginary work written by an author.

16

# FACT and FICTION

Following are some fictional book titles and autobiographies. Match them to their writers :



R.L. Stine



J.K. Rowling



Dr A.P.J. Abdul Kalam



Sachin Tendulkar



Agatha Christie



C.S. Lewis



Mahatma Gandhi



Sir Arthur Conan Doyle



Sunil Gavaskar



Nelson Mandela

## Hint Box

- a. Long Walk to Freedom, b. My Experiments with Truth, c. Harry Potter series, d. The Chronicles of Narnia, e. Sherlock Holmes, f. Sunny Days, g. Wings of Fire, h. Murder on the Orient Express, i. Goosebumps, j. Playing It My Way

## Fact File

The characters of Nancy Drew and Hardy Boys were created by Edward Stratemeyer, but when the books were published, he used the pseudonyms 'Carolyn Keene' for the Nancy Drew books and 'Franklin W. Dixon' for the Hardy Boys books.





17

# World of SHAKESPEARE

William Shakespeare, fondly remembered as the 'Bard of Avon', was an English dramatist. Regarded as the greatest playwright in the English language and a major figure of Elizabethan England (16th century), he was commercially successful too.

Not of an age, but for all time

Shakespeare was born in the village of Stratford-upon-Avon, but lived most of his life in London. In London, he worked with a theatre group known as the King's Men. He has written at least 38 plays and 154 sonnets and a few poems. His plays are considered among the finest pieces of literature ever written. He was prolific across genres, writing—histories, tragedies and comedies.

Bardolatry

Shakespeare's reputation has only increased over time. His works have been translated into every major language and continue to be widely performed. Many of his plays have also been adapted into radio, television and movies. Some very common words and phrases we use today, first found mention in his works.

Match Shakespeare's plays with the set of characters present in each :

## Plays

- 1 Hamlet
- 2 Julius Caesar
- 3 Othello
- 4 Macbeth
- 5 The Merchant of Venice
- 6 King Lear
- 7 Romeo and Juliet
- 8 The Tempest
- 9 A Midsummer Night's Dream
- 10 As You Like It

## Characters

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | a Desdemona, Lago, Cassio              |
| <input type="checkbox"/> | b Duncan, Macduff, Banquo              |
| <input type="checkbox"/> | c Shylock, Antonio, Portia             |
| <input type="checkbox"/> | d Goneril, Regan, Cordelia             |
| <input type="checkbox"/> | e Theseus, Hippolyta, Philostrate      |
| <input type="checkbox"/> | f Horatio, Yorrick, Claudius           |
| <input type="checkbox"/> | g Prospero, Miranda, Caliban           |
| <input type="checkbox"/> | h Frederick, Rosalind, Celia           |
| <input type="checkbox"/> | i Capulet, Montague, Mercutio          |
| <input type="checkbox"/> | j Mark Antony, Marcus Brutus, Octavius |

## Fact File

It is often mistakenly stated that Shakespeare was born and died on the same day—April 23. However, his exact birth date is unknown, although we know he was baptised on April 23, 1564.

Here are some phrases we get from Shakespeare: 'A foregone conclusion'.

'A sorry sight'. 'Love is blind.'

# Quick Test

1

(Based on Learning Skills)

A. Tick ✓ the correct option

- Which is the fastest dog of the world?  
(a) Greyhound  (b) Bulldog  (c) Boxer
- From which plant do we obtain the medicine quinine to treat malaria?  
(a) Cinchona  (b) Balsam  (c) Mulberry
- I am the bear in Rama's army. My name is :  
(a) Vidura  (b) Jambavana  (c) Mareecha
- Who is the author of the book "Wings of Fire"?  
(a) Mahatma Gandhi  (b) C.S. Lewis  (c) Dr. A.P.J. Abdul Kalam

B. Fill in the blanks

- The largest big cat found in the America is the \_\_\_\_\_.
- The largest seed in the world is the \_\_\_\_\_.
- The \_\_\_\_\_ is called Ramakien in Thailand.
- William Shakespeare was baptised on \_\_\_\_\_.

C. Match the following :

- |                        |                          |
|------------------------|--------------------------|
| 1. Rabindranath Tagore | (a) Male Bee Hummingbird |
| 2. Sachin Tendulkar    | (b) Harry Potter Series  |
| 3. The smallest bird   | (c) Gitanjali            |
| 4. J.K. Rowling        | (d) Playing It My Way    |

D. Identify the following pictures and write their names :



## Unit - 3



## Unit - 4

### The Amazing India

- The Indian Constitution
- Rewarding Excellence
- National Parks
- Historical Significance
- Quiz of India
- Going Places
- Amazing Tourism Logos
- Taste of India

### The World Around Us

- Landmark Structures
- Parliaments of the World
- The United Nations
- Sobriquets
- Special Names
- Great Leaders of the World
- The Nobel Prize



### LEARNING SKILLS/OUTCOMES AS PER NEP 2020

For Units - 3 & 4

- 2<sup>o</sup> Cs Social Skills
- IE Indian Ethos
- 2<sup>o</sup> Cs Information
- 2<sup>o</sup> Cs Leadership



The Constitution of India is the supreme law of India.

18

# The Indian Constitution

Give the correct answers related to the framing of the Constitution :

1. When was the Constituent Assembly set up? .....
2. Who was the first President of the Constituent Assembly?.....
3. Which legislation exercised a profound influence on the drafting of the Indian Constitution?.....
4. Who is known as the Father of the Indian Constitution?.....
5. India's National Emblem is an adaptation of the Lion Capital of Ashoka at Sarnath. Which dynasty did Emperor Ashoka belong to?.....
6. The Indian Constitution provides for the suspension of the Fundamental Rights during the National Emergency. From which Constitution did it borrow this idea?.....
7. From which Constitution was the idea of the parliamentary system adopted by the Indian Constitution?.....
8. From which Constitution was the idea of the Directive Principles of State Policy taken?.....
9. From where did the Indian Constitution borrow the idea of 'Liberty, Equality and Fraternity'?.....
10. Which judicial body in India is vested with the power to interpret the Indian Constitution?.....
11. How many Fundamental Duties have been incorporated in the Constitution of India?.....



### Hint Box

French Revolution, Dr Rajendra Prasad, Irish Constitution, Dr B.R. Ambedkar, Supreme Court, British Constitution, Weimar Constitution of Germany, Government of India Act, 1935, Eleven, Mauryan, 1946

The Government of India confers various awards on citizens in appreciation of their contribution in their respective fields.

19

## Rewarding Excellence



Read the clues given below and name the award :

- 1 It is awarded in recognition of outstanding achievement in national sports.  
.....
- 2 It is awarded for excellence in sports coaching.  
.....
- 3 It is the highest civilian award in India and is given for exceptional service to the country in any field.  
.....
- 4 It is second-highest military award and is given to military or civilian personnel for an act of courage and self-sacrifice away from the battlefield.  
.....
- 5 It is an annual award given for lifetime contribution to Indian cinema.  
.....
- 6 It is awarded for outstanding achievement in the performing arts including music, dance, theatre or traditional arts such as puppetry.  
.....
- 7 It is given to any citizen who performs an outstanding act of bravery and selfless sacrifice.  
.....
- 8 It is the highest military decoration, awarded to officers or personnel of the armed forces for bravery and self-sacrifice in the battlefield.  
.....



Arjuna  
Award



Dronacharya  
Award



Ashoka  
Chakra



Param Vir  
Chakra



Jeevan Raksha  
Padak



Bharat Ratna



Dadasaheb  
Phalke  
Award



Sangeet Natak  
Akademi  
Award

India is home to many National Parks.

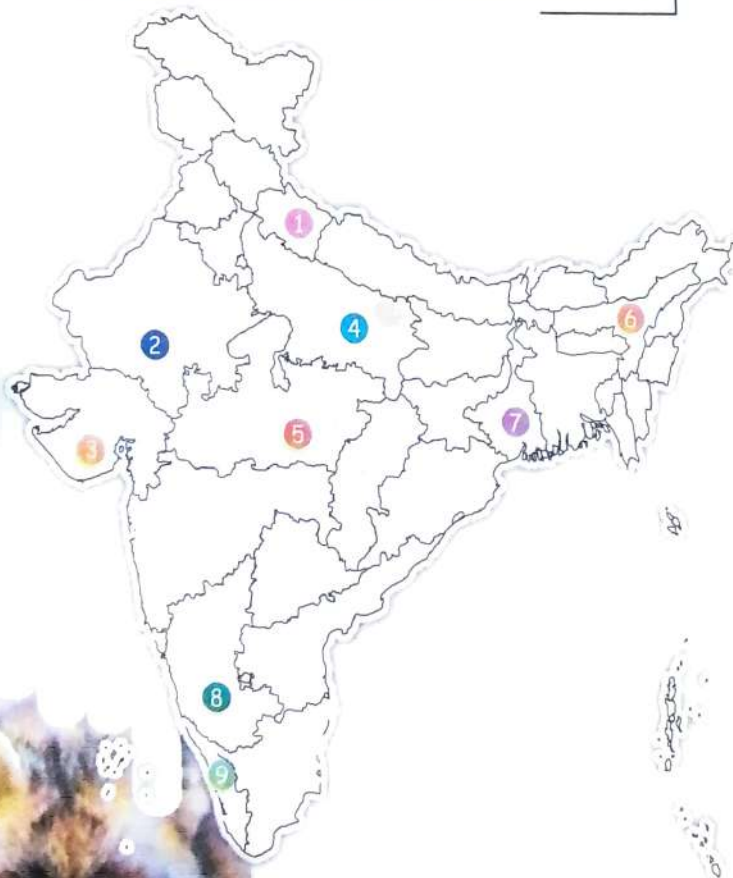
20



# NATIONAL PARKS



Given below are some of the National Parks and their location. Follow the assigned numbers and mention the names of the states :



- 1 Corbett : .....
- 2 Ranthambore : .....
- 3 Gir : .....
- 4 Dudhwa : .....
- 5 Kanha : .....
- 6 Kaziranga : .....
- 7 Sunderban : .....
- 8 Bandipur : .....
- 9 Periyar : .....



## Fact File

The Jim Corbett National Park, named after naturalist Jim Corbett, is the oldest national park in India. It was originally known as Hailey National Park. 'Project Tiger' was launched here.



# Historical Significance

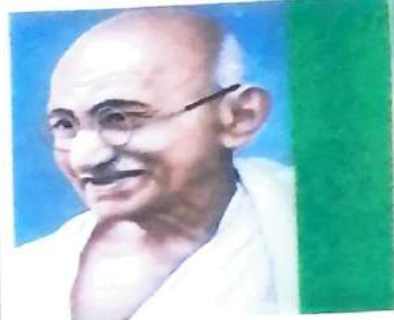
Given below are the names of places that are associated with various people in history. Match the person with the place.

## Place

- 1 Bardoli
- 2 Porbandar
- 3 Jhansi
- 4 Lumbini
- 5 Kakori
- 6 Kanyakumari
- 7 Fatehpur Sikri
- 8 Paunar
- 9 Raigad
- 10 Puducherry (Pondicherry)
- 11 Srirangapatna
- 12 Chittor

## Person

- a Chhatrapati Shivaji
- b Akbar
- c Vinoba Bhave
- d Rani Padmini
- e Tipu Sultan
- f Aurobindo Ghosh
- g Gautama Buddha
- h Vallabhbhai Patel
- i Mahatma Gandhi
- j Rani Lakshmi Bai
- k Chandra Shekhar Azad
- l Swami Vivekananda





22

# Quiz ON INDIA

Here is an opportunity to quickly brush up your facts about India.

1. What is the Kargil War (1999) better known as?
2. How do we better know the places Puri, Bhubaneswar and Konark?
3. Where was the first Archery National Championship held in 1973?
4. Which Indian state capital derives its name from a well-known freedom fighter?
5. Who is popularly known as 'the Father Damien of India'?
6. Name the organization connected with inland water transport. Where is its headquarters located?
7. Name the river on which the Sardar Sarovar Dam has been built.
8. Where is the Cellular Jail located?
9. What is the name of the organization set up by Mother Teresa?
10. Name the first woman chief minister of an Indian state.
11. In which state is Ghana Bird Sanctuary located?



### Hint Box

Sucheta Kriplani-U.P.,  
Operation Vijay,  
Golden Triangle of  
Odisha, Narmada,  
Bharatpur-Rajasthan,  
Andaman and  
Nicobar Islands,  
Gandhinagar,  
Lucknow, Nirmal  
Hriday, Baba Amte,  
Central Inland Water  
Transport  
Corporation Limited-  
Kolkata

India is a tourist's delight, full of wonderful places to visit.

23

# Going Places



Here are descriptions of some places of tourist interest. Write their names in the blanks :

1. This city was originally a group of isolated fishing villages. In 1534, it came under Portuguese rule. It then went to the British, who developed it into an excellent port. This city is .....
2. A city in Uttar Pradesh is believed to be the birth place of Lord Krishna. Its name means 'a forest of tulsi trees'. The name of this place is .....
3. A port in Kerala, is known as the 'Queen of the Arabian Sea'. The first Jewish synagogue built in India is located here. The city is .....
4. Vaishno Devi Temple, a cave shrine of the goddess Durga, is an important pilgrimage centre for Hindus. It is nestled in the Trikuta hills, near Katra, in .....
5. A grassland with marshy areas, lakes and forests is home of the one-horned Indian rhinoceros. Situated in the state of Assam, the name of this place is .....
6. The 'Kumbh Mela' is held once every four years. It is held at Haridwar and Prayagraj, on the banks of the river Ganga. It is also held at Ujjain, on the banks of the river Shipra. It is also held in another city on the banks of the river Godavari. This city is .....
7. Situated in Andhra Pradesh, India's prime space centre is located here. It has a launch pad facility, a technical centre and other facilities for launch control, satellite tracking and remote sensing. This place is .....
8. This is a small mountain state in the Himalayas, Kanchenjunga, the world's third largest peak, rises from this area. The Khangchendzonga National Park here is one of the highest national parks in the world. This region has several hundred kinds of orchids and is called a botanist's paradise. The name of this state is .....
9. The Hindus believe 'Brahma' to be the creator of the universe. But there is only one temple in India that is dedicated to Brahma. This temple is located in the city of ....., in Rajasthan.
10. This place is popularly known as the 'Emerald Isles'. Saddlepeak is the highest point of this region. Kalpong is the only river that flows through it. Its name is .....

## Hint Box

Vrindavan, Jammu & Kashmir, Nashik, Andaman and Nicobar Islands, Sikkim, Kochi, Sriharikota, Kaziranga, Pushkar, Mumbai

## Fact File

The Loktak Lake in Manipur is home to the rare brow-antlered deer called Sangai.




24

# Amazing Tourism LOGOS



These are state tourism logos. Some of them have been partially concealed. Each logo has a clue, as to which state it belongs to. Identify them using the 'Hint Box' :

1 

2 


3 

4 

5 

6 

7 

8 

9 

10 

11 

12 

13 

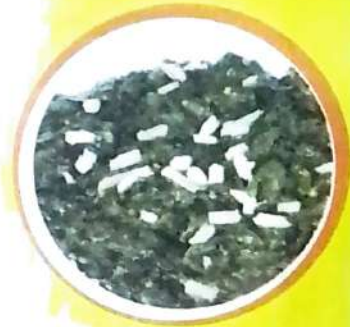
### Hint Box

Punjab, Tamil Nadu, Chhattisgarh, Gujarat, Manipur, Assam, Maharashtra, Rajasthan, Kerala, Madhya Pradesh, Uttarakhhand, Bihar, Meghalaya

25

# Taste of India

Here are questions about some mouth-watering delicacies of India. Imagine their taste as you tick (✓) the most appropriate answer :



- What are 'golgappas' called in Kolkata?
 

(a) Puchkas	<input type="checkbox"/>	(b) Pani puris	<input type="checkbox"/>	(c) Bhalle	<input type="checkbox"/>
-------------	--------------------------	----------------	--------------------------	------------	--------------------------
- 'Langda', 'chausa' and 'dassehri' are varieties of which fruit?
 

(a) Guava	<input type="checkbox"/>	(b) Apple	<input type="checkbox"/>	(c) Mango	<input type="checkbox"/>
-----------	--------------------------	-----------	--------------------------	-----------	--------------------------
- Which spice was referred to as 'black gold' by the Europeans?
 

(a) Pepper	<input type="checkbox"/>	(b) Cardamom	<input type="checkbox"/>	(c) Turmeric	<input type="checkbox"/>
------------	--------------------------	--------------	--------------------------	--------------	--------------------------
- What are 'lentil puffs'?
 

(a) Laddoo	<input type="checkbox"/>	(b) Dal puris	<input type="checkbox"/>	(c) Bhel puri	<input type="checkbox"/>
------------	--------------------------	---------------	--------------------------	---------------	--------------------------
- 'Sorpotel' is a dish belonging to which Indian state?
 

(a) Maharashtra	<input type="checkbox"/>	(b) Goa	<input type="checkbox"/>	(c) Gujarat	<input type="checkbox"/>
-----------------	--------------------------	---------	--------------------------	-------------	--------------------------
- Which plant is referred to as an egg plant?
 

(a) Potato	<input type="checkbox"/>	(b) Ginger	<input type="checkbox"/>	(c) Brinjal	<input type="checkbox"/>
------------	--------------------------	------------	--------------------------	-------------	--------------------------
- Which place is famous for 'sandesh'?
 

(a) Mumbai	<input type="checkbox"/>	(b) Cuttack	<input type="checkbox"/>	(c) Kolkata	<input type="checkbox"/>
------------	--------------------------	-------------	--------------------------	-------------	--------------------------
- What is the main ingredient of 'raita'?
 

(a) Milk	<input type="checkbox"/>	(b) Dal	<input type="checkbox"/>	(c) Curd	<input type="checkbox"/>
----------	--------------------------	---------	--------------------------	----------	--------------------------
- 'Sarson ka saag and makke ki roti' is a famous dish of which state?
 

(a) Haryana	<input type="checkbox"/>	(b) Gujarat	<input type="checkbox"/>	(c) Punjab	<input type="checkbox"/>
-------------	--------------------------	-------------	--------------------------	------------	--------------------------
- What is referred to as 'yellow gold'?
 

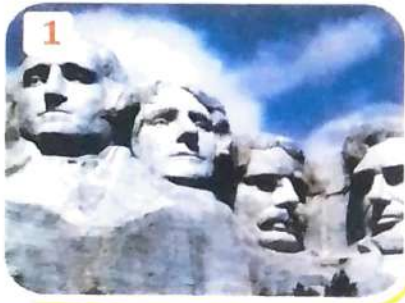
(a) Turmeric	<input type="checkbox"/>	(b) Ginger	<input type="checkbox"/>	(c) Saffron	<input type="checkbox"/>
--------------	--------------------------	------------	--------------------------	-------------	--------------------------



The structures that have significant historical, architectural or cultural meaning and that have been given legal protection from alteration and destruction are called Landmark Structures.

# Landmark Structures

Identify the place where these well-known buildings are located :



It is a sculpture carved into the granite face of a mountain in South Dakota US and depicts four former US Presidents.



This 12th century temple complex in Cambodia is the largest religious monument in the world and an architectural masterpiece.



This building in Dubai, UAE is the world's man-made structure, standing at a height of 828 metres.



This communications and observation tower in Canada is the tallest free-standing structure in the Western Hemisphere.



Located on the harbour-front in Sydney, Australia, this stunning, shell-shaped structure is a venue for performing arts.



Situated in Istanbul, Turkey, this building was formerly a church and later a mosque; it is now a famous museum.



7  
This building is famous for its onion-shaped domes and is situated in the centre of Moscow city in Russia.



8  
This building in London, UK is the official residence of Queen Elizabeth II, the British monarch.



9  
Built by the ancient Romans, this amphitheatre in Rome was a venue for gladiatorial fights.



10  
This huge red sandstone rock formation in Australia is one of the country's most recognizable landmarks.



11  
These twin skyscrapers in Kuala Lumpur, Malaysia stand 170 m above the ground and are one of the world's most famous landmarks.



12  
It is a temple dedicated to Goddess Athena in Greece and is a symbol of ancient Greek culture.

### Hint Box

Ayers Rock, Angkor Wat, Parthenon, Burj Khalifa, Buckingham Palace, Petronas Towers, CN Tower, St. Basil's Cathedral, Colosseum, Mount Rushmore, Hagia Sophia, Sydney Opera House

### Fact File

The Statue of Unity is a colossal statue of Indian statesman and independence activist Sardar Vallabhbhai Patel in the state of Gujarat, India. It is the world's tallest statue with a height of 182 metres (597 feet). It has been included in the '8 Wonders of SCO'.

Here are some parliament buildings from around the world. Name the countries to which they belong. Pick your answer from the 'Hint Box'.

1 Sansad Bhavan



2 Diet



3 Parliament House Canberra



4 The United States Congress



5 Storting



6 National People's Congress



7 Hellenic Parliament



8 Bundestag



9 Eduskunta



10 Országház



11 The House of Commons



12 Folketinget



13 Jatiyo Sangshad



14 Federal Assembly



### Fact File

Indian Parliament building was designed by Sir Edwin Lutyens and Sir Herbert Baker who were responsible for the overall construction and planning in Delhi. First foundation stone was laid as early as 12 February 1921. It took 6 years to complete and the whole project cost around ₹ 83 lakh.

### Hint Box

Bangladesh, Russia, Japan, Germany, India, China, Greece, Norway, Denmark, USA, Canada, Australia, Hungary, Finland

The United Nations is an association of sovereign states who have bound themselves by a charter to maintain international peace and security.

28



# The United Nations

Write the correct letter in the box using 'Hint Box'

- 1 The United Nations is the world's largest international organization; it is a successor to which organization?
- 2 Where is the headquarters of the UN, the UN Plaza, located?
- 3 Its emblem consists of the world map projected from the North Pole, which is embraced within what?
- 4 When was the UN flag adopted?
- 5 Which are the five permanent members of the security council?
- 6 When is the United Nations Day celebrated? The UN formally came into existence on this day.
- 7 Where was the first regular session of the UN General Assembly held on 10 January, 1946?
- 8 Trygve Lie, the first Secretary General of the United Nations, is from which country?
- 9 When did the UN celebrate its 50th anniversary?
- 10 Who coined the name United Nations?
- 11 What are the six official working languages recognized by the UN?
- 12 Name the main bodies of the UN.
- 13 What is the designation of the head of the UN Secretariat?

## Hint Box

a. The General Assembly, The Security Council, The Economic and Social Council, The International Court of Justice, The Trusteeship Council, The Secretariat, b. New York City, c. Secretary General, d. 24th October, e. President Roosevelt, f. Norway, g. France, the UK, the USA, China and Russia, h. London, i. League of Nations, j. 7 December, 1946, k. Twin olive branches, l. English, Chinese, Russian, French, Spanish, Arabic, m. 1995

The word 'Sobriquet' means a nickname or an assumed name.



# SOBRIQUETS

Sometimes, these names are given by critics and sometimes by admirers. Try and guess who these people are. Choose from Hint Box.

1. The British called him the Father of Indian Unrest .....
2. The Father of Medicine .....
3. The Father of Indian Nuclear Science .....
4. The Father of History .....
5. Fuhrer .....
6. Deenabandhu .....
7. The Birdman of India .....
8. The Don .....
9. The Father of the Computer .....
10. The Greatest .....
11. The Iron Man of Europe .....
12. The Black Pearl .....
13. The Lion of the Punjab .....
14. The Father of English Poetry .....
15. The Grand Old Man of India .....
16. Madiba .....
17. Boz .....
18. The Dalai Lama .....
19. The Maid of Orleans .....



## Hint Box

C.F. Andrews, Muhammad Ali, Salim Ali, Otto von Bismarck, Geoffrey Chaucer, Tenzin Gyatso, Joan of Arc, Hippocrates, Bal Gangadhar Tilak, Adolf Hitler, Charles Dickens, Dadabhai Naoroji, Herodotus, Charles Babbage, Homi J. Bhabha, Maharaja Ranjit Singh, Sir Donald Bradman, Nelson Mandela, Pele

Many places in the world are also known by sobriquets or special names that represent their characteristic features.



# Special Names



Identify the place by its sobriquet :



1. The Land of the Midnight Sun  
.....



3. The Island of Pearls  
.....



5. The Gift of the Nile  
.....



7. The Land of the Maple Leaf  
.....



9. The Playground of Europe  
.....



11. The Sugar Bowl of the World  
.....



13. The Land of the Rising Sun  
.....



2. The Land of a Thousand Lakes  
.....



4. The Roof of the World  
.....



6. The Big Apple  
.....



8. The Eternal City  
.....



10. The Land of White Elephant  
.....



12. The Queen of the Adriatic  
.....



14. The Key to the Mediterranean  
.....

## Hint Box

Rome, Gibraltar, Switzerland, Egypt, Bahrain, Canada, Cuba, Thailand, Venice, Norway, Tibet, New York, Finland, Japan



Our world has seen the emergence of many great leaders.



# Great Leaders of the World

Some of them have risen to be the heads of their country, while some have fought for rights of the people. Identify and write the names of these leaders :

1



The 16th US President, he fought against slavery in the southern states. He was assassinated and died as a hero.

**Abraham** .....

2



In 2007, she ran for the post of President and became the first elected woman head of state in Argentina. She was re-elected President in 2011.

..... **Fernandez de Kirchner**.

3



Recipient of the US Presidential Medal of Freedom in 1977 and Congressional Gold Medal in 2004, he became famous for his 'I have a dream' speech.

**Martin Luther** ..... **Jr.**

4



A respected social activist, he was the founder of several ashrams for the treatment and rehabilitation of leprosy patients, and other less fortunate people. He passed away in 2008.

**Baba** .....

5



In 2010, she became the first woman Prime Minister of Australia.

**Julia** .....

6



In 2012, he became the first democratically elected President of Egypt.

**Mohamed** .....

7



In 1963, he became the Prime Minister of Kenya and on its independence in 1964, its President.

**Jomo** .....

8



He took over from his brother Fidel as President of Cuba in 2008. In 2011, he was also elected First Secretary of the Communist Party.

..... **Castro**.

9



A Tibetan refugee and scholar, he was elected leader of the Tibetan Government in exile in 2011.

..... **Sangay**.

10



He became Afghanistan's first elected President in December 2004. He was re-elected in 2009.

**Hamid** .....



Lobsang, Raul, Lincoln, King, Gillard, Morsi, Karzai, Kenyatta, Amte, Cristina

# The NOBEL PRIZE

## Nobel Prize

The Nobel Prize is an international annual award in recognition of scientific and cultural advancements. It is awarded by the Royal Swedish Academy of Sciences, the Swedish Academy, The Karolinska Institute, The Sveriges Riksbank and The Norwegian Nobel Committee to individuals or organisations, who have made outstanding contributions in various fields. The first awards were given in the year 1901.

The fields in which the awards are presented are Chemistry, Physics, Physiology or Medicine, Literature, Peace and Economics.



### Who is Alfred Nobel?

Alfred Nobel was a Swedish chemist, engineer and innovator. He invented the dynamite, which was used for explosive purposes during war times. When his brother Ludvig died, a newspaper, by mistake, published an obituary in the name of Alfred Nobel. It stated 'the merchant of death is dead' and further went on to state 'Dr Alfred Nobel, who became rich by finding ways to kill more people faster than ever before, died yesterday'. Alfred was disappointed with what he read and was concerned with how he would be remembered. This prompted him to institute and start the Nobel Prizes.



Complete the names of these famous Nobel Laureates :



1st Nobel Prize in Physics for his discovery of the X-ray.

..... RÖENTGEN



Nobel Prize in Literature.

..... TAGORE



Nobel Prize in Literature.

..... KIPLING



Nobel Peace Prize. Former President of USA.

..... ROOSEVELT



Nobel Peace Prize.

..... TERESA



Nobel Prize in Economics.

..... SEN



Nobel Peace Prize.

..... YUNUS



1st Nobel Peace Prize. Founder of Red Cross.

..... DUNANT

# Quick Test ②

(Based on Learning Skills)

A. Tick (✓) the correct option :

- Who was the first President of the Constituent Assembly?  
(a) Dr Rajendra Prasad  (b) Dr B. R. Ambedkar  (c) Jawaharlal Nehru
- What are 'lentil puff'?  
(a) Laddoo  (b) Dal Puris  (c) Bhelpuri
- Who is the Father of the Computer?  
(a) Bill Gates  (b) Tenzin Gyatso  (c) Charles Babbage
- When was the UN flag adopted?  
(a) 7 July, 1946  (b) 7 December, 1946  (c) 7 November, 1946

B. Fill in the blanks :

- \_\_\_\_\_ is awarded for excellence in sports coaching.
- \_\_\_\_\_ is popularly known as 'The Father Damien of India'.
- \_\_\_\_\_ was Afghanistan's first elected President in December, 2004.
- \_\_\_\_\_ was a Swedish chemist, engineer and innovator.

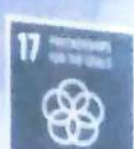
C. Match the following :

- |                                |                       |
|--------------------------------|-----------------------|
| 1. Bardoli                     | (a) Rani Lakshmi Bai  |
| 2. The Roof of the World       | (b) Cuba              |
| 3. Jhansi                      | (c) Vallabhbhai Patel |
| 4. The Sugar Bowl of the World | (d) Tibet             |

D. Identify the following pictures and write their names :



## Unit - 5



### Sports & Entertainment

- Athletic Games
- Sports Cups and Trophies
- Football Quiz
- The Paralympic Quiz
- Martial Arts
- Play by the Rule
- Celebrated Celebs
- Music Quiz



### LEARNING SKILLS/OUTCOMES AS PER NEP 2020



## Unit - 6



### Science & Technology

- Indian Science
- Diseases and Disorders
- Interesting Inventions
- Global Scientists
- Our Universe
- Exploring Space
- Universal Substances
- The Cyber World

- HD Gross Motor
- HD Teamwork
- CS Collaboration
- CS Flexibility
- CS Leadership
- HD Inter-personal
- CS Creativity

For Unit -5

For Unit -6

- HD Observation
- CS Productivity
- CS Initiative
- HD Curiosity
- CS Technology

Athletics is believed to be the perfect expression of the Olympic motto 'Citius, Altius, Fortius'. It means 'Faster, Higher, Stronger' where, in a sense, the competition demands athletes to run faster, throw further, jump higher and leap longer than their rivals. Athletics is the largest single sport of the Olympic Games.

33

# Athletic Games

Identify 12 athletic games in this grid :

S	V	D	H	I	G	H	J	U	M	P	M
S	T	E	E	P	L	E	C	H	A	S	E
T	I	K	K	C	R	T	T	E	N	P	S
R	H	G	G	J	A	E	S	O	E	V	H
I	U	U	S	U	I	T	L	J	M	L	O
P	R	L	R	A	X	H	H	A	Q	M	T
L	D	S	G	A	T	V	R	L	Y	Y	P
E	L	A	M	A	R	A	T	H	O	N	U
J	E	B	T	I	E	Q	F	L	G	N	T
U	S	N	M	L	O	N	G	J	U	M	P
M	E	H	E	P	T	A	T	H	L	O	N
P	O	L	E	V	A	U	L	T	T	V	K

## Hint Box

Steeplechase, Heptathlon,

Decathlon, Marathon, Hurdles,

Relay, Long jump, High jump,

Triple jump, Pole vault, Shotput,

Pentathlon

## Fact File

The Marathon race commemorates the run of a Greek soldier, Pheidippides who had to deliver a message from a battlefield near the town of Marathon to Athens in 490 BC. Legend has it that he collapsed and died after running for around 250 kilometres in just two days.



# SPORTS CUPS AND TROPHIES



Given below are some International and National sports cups and trophies. Write the name of sports with which they are associated in the blank.

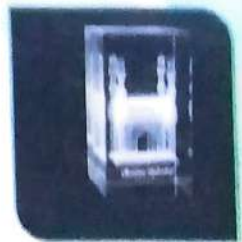
## A. INTERNATIONAL

- 1 American Cup .....
- 2 Davis Cup .....
- 3 Derby Cup .....
- 4 Eisenhower Cup .....
- 5 Merdeka Cup .....
- 6 Prudential World Cup .....
- 7 Thomas Cup .....
- 8 Uber Cup .....
- 9 William Cup .....
- 10 Wimbledon Trophy .....



## B. NATIONAL

- 1 Agha Khan Cup .....
- 2 Burdwan Trophy .....
- 3 Bangalore Blue Challenge Cup .....
- 4 Durand Cup .....
- 5 Ezra Cup .....
- 6 Ranji Trophy .....
- 7 Wellington Trophy .....
- 8 Charminar Trophy .....
- 9 Divan Cup .....
- 10 Deodhar Trophy .....



## Fact File

The current 'ICC World Cup Trophy' is 60 cm high, is made from silver and gold and features a golden globe held up by three silver columns.



Football (soccer) is one of the most popular games around the globe. It is the national game of many countries.

35

# Football Quiz

**A** Answer the following questions related to football using the clues given below :

- 1 When was the first World Cup Football Tournament held?
- 2 The World Cup is played after an interval of how many years?
- 3 How long does a football game last?
- 4 How many players play on the field in a football match?
- 5 Which player is allowed to touch the ball with his hands?
- 6 What are the football shoes called?
- 7 How many goalposts are there?
- 8 Where was the 2018 World Cup played?
- 9 If a yellow card is shown by the referee to a player, what does it imply?
- 10 What is the full form of FIFA?
- 11 As Pele is to Brazil, Beckham is to :
- 12 Which country won the inaugural Women's World Cup held in China in 1991?

## Win Box

a. 22 (two teams of eleven players each), b. Cleats, c. Goalkeeper, d. Four years, e. 1930, f. 90 minutes, g. Two, h. England, i. Russia, j. The USA, k. Warning for a foul, l. Federation Internationale de Football Association

## Fact File

Sir Vivian Richards is the only person who has played both World Cup Football and World Cup Cricket.



Tick (✓) the correct answer:

Who was the first FIFA president to stage the first FIFA World Cup in 1930 with 13 countries participating in it?

- (a) Robert Guerin (b) Jules Rimet (c) Pierre de Coubertin

Which country has won the World Cup (FIFA) the maximum number of 5 times?

- (a) Brazil (b) Argentina (c) Germany

Which country holds the record for most defeats suffered by a nation in World Cups with 25 losses?

- (a) Mexico (b) Cameroon (c) Turkey

In which country FIFA 2022 will be held?

- (a) Russia (b) Qatar (c) Germany

Who won the FIFA World Cup in 2018?

- (a) Italy (b) France (c) Brazil

Can you identify these heroes and villains of football? Match the pictures to the names:



1. Oliver Kahn, Germany

2. David Beckham, England

3. Lionel Messi, Argentina

4. Cristiano Ronaldo, Portugal

5. Pélé, Brazil

6. Luis Suarez, Uruguay

7. Zinedine 'Zizou' Zidane, France

8. Franz Beckenbauer, Germany

9. Roger Milla, Cameroon

10. Lothar Matthäus, Germany





36

# The Paralympic Quiz

Take this quiz and find out how much you know about the Paralympic Games :

1. When was the first official Paralympic Games held?
2. Where was the first official Paralympic Games held?
3. How many athletes took part in the first official Paralympic Games?
4. Whom were the Paralympic Games initially meant for?
5. Who was Dr Ludwig Guttman?
6. Why was the 1976 Summer Games a milestone in the history of the Paralympic Games?
7. What was the significance of the 1992 Winter Paralympic Games?
8. When was the first Winter Paralympic Games held?
9. Where was the first Winter Paralympic Games held?
10. Are the Paralympic Games the same as the Special Olympics World Games?
11. When did the term 'Paralympic' first come into use?
12. Who was the first Paralympian to also participate in the Olympic Games? For which event did he/she participate?



13. What is the IPC?

14. When was the IPC founded?

15. How many members does the IPC have?

16. How many categories of disability have been established by the IPC as regards participation in the Paralympic Games?

17. Originally, which was the only category of participants at the Paralympic Games?

18. Who is the most decorated Paralympian in the history of the games?

19. Who holds the record for the maximum number of medals won at the Winter Paralympic Games?

20. When did India make its Summer Paralympic debut?

### Fact File

- The Paralympic Games are organised parallel to the Olympic Games.
- There are Summer and Winter Paralympic Games.
- The participants at the Paralympic Games have a range of both physical and intellectual disabilities.

The word 'martial' derives from Mars, the Roman God of War. Martial arts are styles of combat and self-defence that are practised around the world especially Asia.

37



Read each of the descriptions and name the martial arts :

1. In Japanese, its name means 'empty hand'. This art involves the use of weaponless techniques such as punching and kicking to defend oneself against the opponent.

2. This martial art form is believed to have originated in China. It has been influenced by the philosophies of Buddhism, Confucianism and Taoism. It has hundreds of styles and techniques. Some forms use weapons such as swords.

3. An Olympics event, its name means 'the gentle way'. This Japanese art form focuses primarily on throwing and ground-fighting techniques.

4. The national sport of South Korea, it stands for 'the way of the foot and fist'. It is known for its striking and athletic kicks. It is used by the military of South Korea as a part of hand-to-hand combat training.

5. This martial art originated in China. Often considered a soft style, this art focuses more on the internal power of the participant. While the physical movements can be used to defend oneself in combat, it also stresses upon health and meditation.

6. A standing sport, it combines styles of boxing and kicking. It is often practised for self-defence and general fitness.

7. A form of Japanese fencing, its name means the 'way of the sword'. The participants are well-protected in armour and use bamboo sticks. They often shout out to express their fighting spirit.

8. The goal of this competitive contact sport is to force the opponent out of a circular ring called *dohyo*. Professional players stay in training schools known as *heya*.



Judo, Tai Chi, Kick Boxing, Karate, Kendo, Tae Kwon Do, Sumo Wrestling, Kung Fu



The Chinese-American actor Bruce Lee was a Kung Fu expert. He popularised martial art films with his stunning fight scenes. Lee died while he was still a rising young star.

# Play by the Rule



You need to play each sport by its rules to play fairly. Read the rules of a few sports given here as clues and complete the crossword by writing the name of each sport:

## Across (→)

- International games of this sport have two extra umpires known as the third and the fourth umpire.
- In this sport, the ball cannot be hit twice on the wall.
- In this game, if the shuttlecock hits the net, the point is awarded to the opponent.
- Players of this game can only use 14 clubs at the most.

## Down (↓)

- In this sport, a player needs to score four points to win a game.
- Taking three or more steps without dribbling the ball is known as 'travelling' and is a violation to this sport.
- Bouts last for five minutes in the international competition of this game.
- Potting the cue-ball in this game is considered a foul.





# CELEBRATED Celebs



Here are some notable celebrities. Read the clues and rearrange the jumbled letters to name the celebrities :



1

This Indian film actor is the son of a poet. He became popular in the 1970s as the 'Angry Young Man' of Bollywood. ATHAMIB CBAHANCH  
.....

2

Co-chairman of Red Chillies Entertainment, he is referred to as the 'Badshah of Bollywood'.

KUSAHHRH ANHK  
.....

3

He is a Portuguese footballer who plays for the Spanish club Real Madrid. He is one of the most expensive footballers in the history of the game. CIARISOTN RDOONLA  
.....

4

She is an American actress, who was also a former Goodwill Ambassador for the United Nations High Commissioner for Refugees. (UNHCR)

ANNAGIEL JEUIL  
.....

5

He is a Swiss professional tennis player. He also has his own logo, an R and an F joined together.

RGERO FDEREER  
.....

6

An American film actor and producer, he is well-known for his role as a secret agent in the Mission : Impossible film series.

TMO CERISU  
.....



## Fact File

Many celebrities have founded charitable organizations. For example : Yuvraj Singh set up a foundation 'YouWeCan' to spread awareness about cancer.



# music QUIZ



Take this quiz to find out how much you know about pop music :



- This American band had hit albums like *In Utero*. Its lead singer was the late Kurt Cobain. Name the band.  
 (a) INXS  (b) Nirvana  (c) Exodus
- Who sang the theme tune to the Bond film 'Tomorrow Never Dies'?  
 (a) Belinda Carlisle  (b) Sheryl Crow  (c) Hank Marvin
- This well-known Hollywood actor is also a rapper. Name him.  
 (a) Morgan Freeman  (b) Laurence Fishburne  (c) Will Smith
- Who sang the title song of the 2012 Bond movie *Skyfall*?  
 (a) Beyonce  (b) Taylor Smith  (c) Adele
- This singer calls her fans 'monsters'. She is as well-known for her music as her bizarre costumes. Name her.  
 (a) Lady Gaga  (b) Nicki Minaj  (c) Rihanna
- Victoria Beckham started out as a singer with the band *Spice Girls*. Which Spice Girl was she?  
 (a) Scary Spice  (b) Sporty Spice  (c) Posh Spice
- Who sang the popular song *Lungi dance* from the movie *Chennai Express*?  
 (a) Sukhwinder Singh  (b) Yo Yo Honey Singh  (c) Mika
- Name Michael Jackson's posthumous album.  
 (a) Flight  (b) Xscape  (c) Zombie
- For which film did music composer and singer A.R. Rehman win 2 Oscars?  
 (a) *Slumdog Millionaire*  (b) *Couples' Retreat*  (c) *127 Hours*
- Who performed *La La La* (Brazil 2014) with Brazilian musician Carlinhos Brown at the closing ceremony of 2014 FIFA World Cup?  
 (a) Rihanna  (b) Shakira  (c) Beyonce
- In which European City did the legendary Beatles perform their first gig?  
 (a) Paris  (b) Prague  (c) Hamburg
- This great Pakistani qawwal and sufi musician teamed up with Pearl Jam's lead singer Eddie Vedder in 1995 for the sound track to *Dead Man Walking*. Name him.  
 (a) Nusrat Fateh Ali Khan  (b) Ali Zafar  (c) Atif Aslam

Although a relatively young nation, scientific spirit runs very deep in India with a rich history of science, starting from ancient mathematics, astronomy to today's hi-tech missions like Mangalyaan and Chandrayaan, India gives to the world her fair share of science.

# INDIAN SCIENCE

Match the names to their achievements :

## Names

1. K. Srinivasa Krishnan
2. P.C. Mahalanobis
3. J.C. Bose
4. Indian Institute of Science (IISc)
5. Tessy Thomas
6. Bhaskara II
7. C.N.R. Rao
8. Birbal Sahni
9. Apsara
10. S.N. Bose

## Achievements

- a. Invented crescograph to measure plant growth
- b. Co-discoverer of Raman Effect
- c. The elementary particles 'Bosons' is named after him
- d. Author of Siddhanta Shiromani, an ancient treatise on Mathematics
- e. Founder of Indian Statistical Institute
- f. Famed Paleo-Botanist Institute in Lucknow named after him
- g. First nuclear reactor in India
- h. Located in Bengaluru, founded by Jamsetji Tata
- i. The third scientist to win Bharat Ratna
- j. Project Director of Agni-V missile



## Fact File

India's most contribution is the zero in the world of mathematics. One of the world's oldest known 'zero' in written form is found at the Chaturbhuj temple in Gwalior. It is more than a thousand years old!

Rearrange the letters given in the brackets to get the names of some common diseases and disorders :



In this disease, there is inflammation of the membranes that cover the brain and spinal cord.

It is usually caused by micro-organisms and as it affects the central nervous system, it can be dangerous.

**NIGTIMENIS**



It is a highly contagious disease in which a rash of small blisters appears all over the body.

It is caused by a virus and is commonly seen in children.

**HICENKC OXP**



Yellow pigmentation of the skin and the white portion of the eyes indicate the onset of this disease. It severely affects the liver.

**AUJNIDEC**



This disease is caused by mosquito bite. It is characterised by skin rash and joint pain. In some cases, it causes a drop in platelet levels, which can be life-threatening.

**GEUDNE**



It is a disorder caused by an exaggerated reaction of the body to a substance.

Although the reaction is usually mild, it can sometimes be life-threatening.

**GRELLYA**



This disorder occurs when there is a decrease in the number of healthy red blood cells in a person's body. It leads to weakness, fatigue and may give rise to other complications.

**EIAAMAN**



It is a disease in which a person has high blood sugar, either because the body does not produce enough insulin or because cells do not respond to the insulin that is produced.

**EETSDAIB**




It is a highly contagious condition in which the eyes turn red and itchy due to inflammation of the outer-most layer of the eye and the inner eyelid.

**ONCUNCJITIVSTI**



Ever wondered who invented things like the remote control or the bulb? Here's a quick guide to answering those questions. Identify the products invented by these people

1



Chester Carlson

2




Alfred Butts

3




Adolf Gaston Eugen Fick

4



Erno Rubik

5



John Pemberton

6



Levi Strauss

7



Ralph H. Baer

8




Laszlo Biro

9

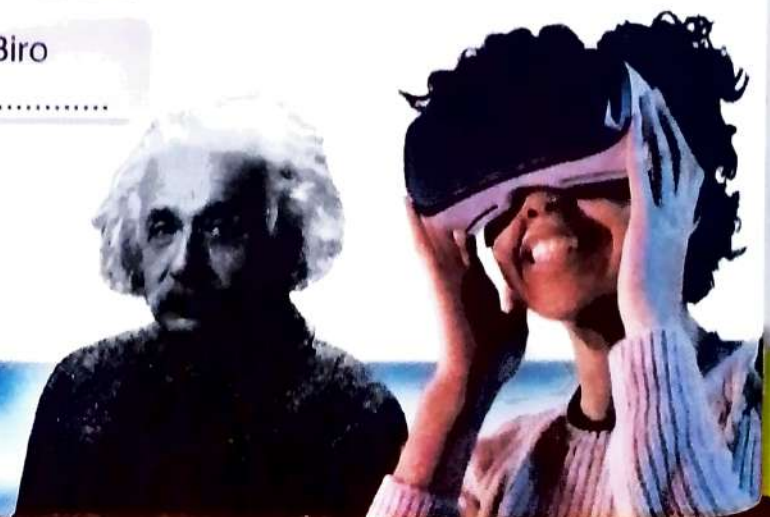


Walter Hunt

10



Earle Dickson



Scientists around the world have worked towards uncovering the greatest mysteries and have given us many answers.

# Global Scientists

Identify them by filling in the missing letters :

- 1 He is referred to as the 'Father of Modern Astronomy'. He discovered four satellites of Jupiter.

Notable works : Observations of the Milky Way and the Discovery of Moons of Jupiter.  
\_ \_ L \_ L \_ O \_ G \_ \_ I \_ L \_ \_



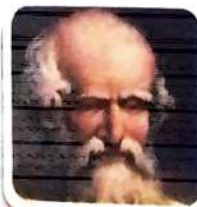
- 2 He was an astronomer, who proposed that the Earth revolves around the Sun and while doing so, it also rotates around its own axis once, daily.

Notable works : On the Revolutions of the Heavenly Spheres.

\_ \_ I \_ C \_ O \_ L \_ A \_ U \_ S \_ \_ O \_ P \_ E \_ R \_ \_ I \_ C \_ U \_ \_

- 3 He formulated theories, which explained that human beings evolved from common ancestors on the earth.

Notable works : On the Origin of Species, Theories on Natural Selection.  
C \_ A \_ L \_ E \_ S \_ D \_ A \_ R \_ I \_ N \_



- 4 He was an engineer, physicist and astronomer. He was also a mathematician, who revolutionised the subject of geometry.

Notable works : Archimedes Screw, Principle of Buoyancy.

A \_ R \_ \_ \_ I \_ M \_ E \_ E \_ S \_

- 5 He was an astronomer and physicist. He is known for discovering gravity, which is the force that attracts objects towards the earth.

Notable works : Gravitational Force and the Three Laws of Motion.

\_ \_ S \_ A \_ A \_ C \_ \_ E \_ W \_ \_ O \_ N \_



- 6 She discovered radio-active elements, Radium and Polonium. She was the first person to win two Nobel Prizes— Physics and Chemistry.

Notable works : Research on Radiation.

M \_ R \_ \_ \_ C \_ R \_ \_ \_

- 7 He is a cosmologist and physicist, known to have had a wide range of theories on the mysteries of 'Black Holes'.

Notable works : A Brief History of Time, The Grand Design.

\_ \_ T \_ P \_ \_ N \_ H \_ W \_ \_ N \_



The universe is immensely vast and continuously expanding. Our sun is just one in a massive collection of two billion stars. The moon is the biggest and brightest object visible in the earth's night sky.

45

# OUR UNIVERSE

Given here are the clues for you to identify some other celestial bodies in the universe :

1. The blue planet
2. The evening star
3. The brightest-looking star
4. The planet with 67 moons
5. The largest of Saturn's 62 moons
6. The galaxy closest to the Milky Way
7. Minor planets
8. The nearest star after the sun
9. The red planet
10. Places which suck everything inside with their strong gravitational pull
11. The first artificial satellite to enter earth's orbit
12. The most circular orbit of a planet
13. The planets with no moons
14. The fastest-orbiting planet
15. The largest moon in our solar system

## Fact File

One of the largest stars known, the Betelgeuse or Alpha Orionis, is located approximately 600 light years away from the earth. It is the second-brightest star in the constellation Orion and the ninth-brightest star in the night sky.

## Hint Box

a. Sputnik-1, b. Mercury, c. Venus (2), d. Earth, e. Jupiter, f. Asteroids, g. Black Hole, h. Ganymede, i. Mercury and Venus, j. Andromeda Nebula, k. Mars, l. Titan, m. Proxima Centauri, n. Sirius

In the grid given below, find the words associated with space travel and write them in the blank space :



- The first experimental space station in history. ....
- The name of the first living creature to be launched into space. ....
- India's first mission to the moon. ....
- The first artificial satellite to orbit planet Earth. ....
- The spacecraft that made the first manned landing on the moon. ....
- NASA's space shuttle that launched the Hubble Space Telescope. ....
- The space observatory launched by NASA to discover earth-like planets orbiting other stars. ....
- The space shuttle that exploded in 2003, killing astronaut Kalpana Chawla. ....
- The first consistently-inhabited research station in space. ....
- The NASA spacecraft that is the first to orbit planet Mercury. ....

**Hint Box**

Salyut, Chandrayan, Apollo-11, Kepler, Mir, Laika, Sputnik-1, Discovery, Columbia, Messenger

# Universal SUBSTANCES



Match these common chemical compounds to their scientific names :

1.	Baking powder		a.	Sodium hydroxide
2.	Bleaching powder		b.	Acetic acid
3.	Sand		c.	Dihydrogen monoxide
4.	Chloroform		d.	Iron oxide
5.	Laughing gas		e.	Sodium carbonate
6.	Limestone		f.	Naphthalene
7.	Plaster of Paris		g.	Sodium bicarbonate
8.	Washing soda		h.	Trichloromethane
9.	Water		i.	Carbon dioxide
10.	Table salt		j.	Silicon dioxide
11.	Dry ice		k.	Sodium chloride
12.	Vinegar		l.	Calcium sulphate
13.	Rust		m.	Nitrous oxide
14.	Mothballs		n.	Mercury
15.	Caustic soda		o.	Calcium carbonate
16.	Quick silver		p.	Calcium hypochlorite



## Fact File

- The human body contains enough carbon to provide 'lead' (which is really graphite, a form of carbon) for about 9,000 pencils.
- Hydrogen is the most abundant element in the universe, while oxygen is the most abundant element in the earth's atmosphere, crust and oceans (about 49.5%).

# THE CYBER WORLD

48

Fill in the blanks with the words given below:

- ..... or integrated circuits is a technology used in microprocessors and other digital logic circuits.
- A ..... is a machine with tailor-made software and hardware to route and forward information.
- An Internet ..... Provider, also called an Internet Access Provider (IAP), is a company that offers its customers access to the Internet using dial-up or other means of tele-communication.
- ..... is the most popular standard for mobile phones in the world.
- ..... is the set of communication protocols used for the Internet and other similar networks.
- A flight ..... is a realistic system that imitates the experience of flying an aircraft—it may be as small as a hand-held video game or as large as a cockpit size area.
- A ..... is the main printed circuit board making up a computer.
- A computer ..... is a computer programme capable of copying itself and infecting a computer, without the user knowing about it.
- ..... is a computer software that is installed discreetly on a computer, without the user's knowledge, to know about the user's interaction with the computer.
- An ..... is a software component like a web browser, which has a very small function and no independent use.
- ..... is a Peer-to-Peer (P2P) file sharing client which locates as well as shares files. Available freely on the Internet, it is a partially free software.
- A ..... matrix printer or impact matrix printer is a type of computer printer which prints upon impact, similar to a typewriter.
- In digital imaging, a ..... is the smallest piece of information in an image.
- The ..... is a standard flash memory card.
- ..... is the latest high-density optical disc format for storing data and high-definition video. It is the successor to the standard DVD format.

## Hint Box

multimedia card, Lime Wire, virus, CMOS, TCP/IP, pixel, Blue Ray Disc, router, simulator, Service, applet, GSM, Spyware, dot, motherboard

## Fact File

- A Thin Film Transistor-Liquid Crystal Display (TFT-LCD) is an advanced version of Liquid Crystal Display (LCD). It uses Thin Film Transistor (TFT) technology to improve image quality.
- If a computer becomes low on RAM, it can 'swap' memories, using hard drive space as additional memory.
- American Standard Code for Information Interchange (ASCII) is character encoding, based on the English alphabet.

# Quick Test

3

(Based on Learning Skills)

A. Tick (✓) the correct option :

- Who won the FIFA World Cup in 2018?  
(a) Italy  (b) France  (c) Brazil
- Name Michael Jackson's posthumous album.  
(a) Flight  (b) Xscape  (c) Zombie
- It is a disease in which a person has high blood sugar.  
(a) Diabetes  (b) Jaundice  (c) Dengue
- The first artificial satellite to orbit planet Earth.  
(a) Apollo-II  (b) Sputnik-1  (c) Sputnik-2

B. Fill in the blanks :

- The Paralympic Games are organised parallel to the \_\_\_\_\_ .
- \_\_\_\_\_ popularised martial art films with his stunning fight scenes.
- \_\_\_\_\_ discovered radio-active elements, Radium and Polonium.
- India's first mission to the moon is \_\_\_\_\_ .

C. Match the following :

- |                    |                |
|--------------------|----------------|
| 1. Yuvraj Singh    | (a) Safety pin |
| 2. Walter Hunt     | (b) Blue Jeans |
| 3. The Blue Planet | (c) YouWeCan   |
| 4. Levi Strauss    | (d) Earth      |

D. Identify the following pictures and write their names :



## Unit - 7



### Values & Life Skills

- Self-reliance
- World of Mascots
- First-aid
- "Quotable Quotes"



### LEARNING SKILLS/OUTCOMES AS PER NEP 2020

## Unit - 8



### Train Your Brain

- Test Your Mental Ability
- Reasoning & Maths
- Logical Reasoning
- Mend Your Mind
- Test Your Wits
- Mathemagic
- Test of Reasoning
- Sudoku



- HD Psychomotor
- HD Self-regulation
- 21<sup>st</sup> CS Social Skills
- HD Empathy
- 21<sup>st</sup> CS Health & Well-being

For Unit - 7

For Unit - 8

- HD Problem-solving
- 21<sup>st</sup> CS Creativity
- 21<sup>st</sup> CS Critical Thinking

# SELF-RELIANCE

Self-reliance means belief in one's own efforts and abilities. When you are self-reliant, you only depend on your own skills and abilities to take care of yourself.

Here are some small tasks that you can do on your own to start becoming self-reliant.

1. Ironing your clothes
2. Polishing or cleaning your shoes
3. Cleaning your room

Being self-reliant does not mean just doing things for yourself. Once you are self-sufficient, you can use your abilities to help other in need.

**What would you do in the following situations? Choose the option that you find most appropriate:**



1. It is Friday night and you have a social science project due on Monday. Your parents usually help you with such things, but they have to go out of town for a family emergency, leaving you with an old aunt. You will

- (a) not do the project until your parents get back.
- (b) work on it on your own using all resources at hand like the library and the internet.
- (c) ask your friend if you can copy her work.



- Your parents have gone out and you are alone at home watching TV. Then, the doorbell rings and you see that your relatives have come to visit. You will

- (a) open the door and tell them that your parents are out and wait for them to go.
- (b) open the door, invite them inside and tell them that your parents are out. After that you continue watching TV.
- (c) open the door, invite them inside and offer them refreshments while mentioning that your parents are out.



# World of Mascots

Here are a few famous mascots of the world.  
Use 'Hint Box' to figure out what they are trying to tell you :



1 My name is Bholu. Take a train ride with me on the .....

2 I am the ..... Bunny and I will keep going on and on and on and on.



3 Come and play some ..... video games with me, Mario.

4 My name is Ronald. Come to ..... and enjoy a Happy Meal.



5 I am here to serve you. I am the ..... Maharajah.

6 I am Fido Dido. Pop a bottle of ..... and enjoy!



7 Yo! My name is Chester Cheetah and ..... is the cheese that goes crunch!

8 My name is Luxo Jr. I was created by ..... to help you see animation movies.



9 I recommend the use of ..... tyres for vehicles.

10 Mickey Mouse is my name and I welcome you to the world of .....



## Hint Box

Pixar, McDonald's, Michelin, Nintendo, Air India, Indian Railways, Walt Disney, Energizer, Cheetos, 7 Up

First-aid is the immediate care or physical and medical attention given to an injured or sick person before proper medical aid can be made available. It is only a temporary assistance provided instantly. Timely first-aid in some cases can save a life. Most injuries and illnesses require only first-aid care.



Things required in a first-aid box :

We must keep a first-aid box handy at home, at school or even in the school bus. It should contain the following things :

- |   |                                     |
|---|-------------------------------------|
| 1. Cotton wool, gauze, band-aid, bandages | 5. Soap, scissor, antiseptic lotion |
| 2. Any antiseptic solution                | 6. An ointment for burns and scalds |
| 3. Antacid salts                          | 7. Indigestion tablets or globules  |
| 4. Analgesic tablets or syrup             |                                     |

Remember, before buying anything from a chemist, check its manufacturing and expiry dates. Check the items regularly and replace missing items or items that may have expired.

A. Given below are some common situations where a person needs immediate help. Choose the correct first-aid options :

1. A person is bleeding profusely.

- (a) Wash the skin around the cut with clean running water and apply an antiseptic solution using cotton.
- (b) Give him/her whatever medicine you manage to get.
- (c) Leave him/her bleeding.



2. A person is bitten by a dog.

- (a) Wait for the doctor to examine him/her.
- (b) Wash the wound thoroughly with running water and cover it with a clean dressing.
- (c) Cover the wound with any cloth or handkerchief.





3. Someone has fainted

Sprinkle water on his/her face and head

Leave him/her and run to call the doctor

Wait for an adult to come and see him/her



4. A foreign particle has entered your friend's eye while playing in the park

a) Rub his/her eye

b) Use a cotton bud or cloth to remove the particle

c) Rinse the eye gently to let the particle flush out

5. You have sprained your foot while playing football in school

a) Start crying in pain.

b) Apply an ice pack and muscle relaxant.

c) Go to the infirmary in your school



B. Neeraj's mother has burnt her fingers while pouring coffee for the guests. How should Neeraj treat the burn? Put the statements in the correct order.

Cover the burn with an adhesive bandage

Apply a burn ointment on the affected area.

Dip the burnt part in cold water to relieve pain.

Remove watch, bangles, rings, etc. that may cause discomfort





Can you match these quotes to the people who said them? Write the correct letter in the box next to each quote :

1. Whom the gods love die young.	<input type="checkbox"/>	a. Mao Zedong
2. Youth is a wonderful thing. What a crime to waste it on children.	<input type="checkbox"/>	b. George Bernard Shaw
3. Cowards die many times before their deaths; The valiant never taste death but once.	<input type="checkbox"/>	c. William Shakespeare, <i>Julius Caesar</i>
4. Money cannot buy health, but I'd settle for a diamond-studded wheelchair.	<input type="checkbox"/>	d. Trophonius
5. Oh my son's my son till he gets him a wife, but my daughter's my daughter all her life.	<input type="checkbox"/>	e. Sri Chinmoy
6. Imitation is the sincerest of flattery.	<input type="checkbox"/>	f. George Orwell, <i>Animal Farm</i>
7. When a dog bites a man that is not news, but when a man bites a dog that is news.	<input type="checkbox"/>	g. Mathew Prior, <i>Alma</i>
8. And 'tis remarkable that they talk the most who have the least to say.	<input type="checkbox"/>	h. Oscar Wilde
9. Politics is war without bloodshed, while war is politics with bloodshed.	<input type="checkbox"/>	i. C.A. Dana
10. One should eat to live, not live to eat.	<input type="checkbox"/>	j. Marcus Valerius
11. All animals are equal, but some animals are more equal than others.	<input type="checkbox"/>	k. Dinah Maria Craik, <i>Young and Old</i>
12. Peace will come when we replace the love of power with the power of love.	<input type="checkbox"/>	l. C.C. Colton, <i>Lacon</i>

Always forgive your enemies, nothing annoys them so much

Logic will get you from A to B  
Imagination will take you everywhere

The real voyage of discovery consists  
not in seeking new lands but seeing with  
new eyes

You can fool some of the people all of the  
time, and all of the people some of the  
time, but you cannot fool all of the  
people all of the time.

I don't know the key to success, but the  
key to failure is trying to please  
everybody.

Life is not merely being alive, but being  
well

m. George Orwell

n. Dorothy Parker

o. Albert Einstein

p. Abraham Lincoln

q. Bill Cosby

r. Marcel Proust

## Fact File

Dorothy Parker was an American writer, critic and poet, best known for her wit and wisecracks. Here are some examples of her wit.

It is said of Mrs Parker that she didn't get along well with the socialite  
Clara Boothe Luce.

Once someone told Mrs Parker that Mrs Luce was always kind to her  
inferiors.

Parker replied, "Where does she find them?"

On another occasion, the two women arrived at the door at the same time.  
Mrs Luce said, "Age before beauty," motioning for Mrs Parker to enter first.  
As she walked through the door, Mrs Parker replied, "And Pearls before  
Swine."

The best way to keep children at home is to make the place a pleasant  
atmosphere and let the air out the tyres.



Razors pain you,  
Rivers are damp,  
Acids stain you,  
And drugs cause  
cramp,  
Guns aren't lawful,  
Nooses give,  
Gas smells awful,  
You might as well live!

Solve these puzzles:

- On a seven member panel sitting in a row 'L' is in between 'O' and 'Q', 'N' is in between 'Q' and 'R', 'R' is in between 'N' and 'P' and 'O' is in between 'M' and 'L'. Find the person who is sitting right in the middle.
- Going to market, a man was met who had 7 wives. Each of the wives had 7 bags containing 7 cats and each cat had 7 kittens. Taking all things into consideration, how many were going to market?
- Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?
 

(a) Mother  (b) Daughter  (c) Sister  (d) Grandmother
- A and B are sisters. A is the mother of D. B has a daughter C who is married to E. G is the husband of A. How is B related to E?
 

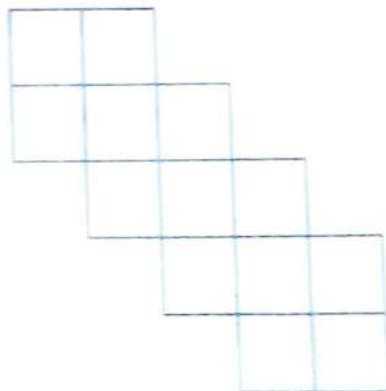
(a) Mother  (b) Mother-in-law

(c) Sister-in-law  (d) None of these
- Which colour is opposite to red?
 

(a) Pink  (b) Green  (c) Blue  (d) Yellow



- Count the number of squares in the given figure and write it in the circle to the left:





Answer the following :

1 When  $GHANF - RAN$   
 $SPODI - ?$  [ ]

2 Insert the missing number

	7	B	
19	24	18	14

3 Insert the missing letter and number

T	C	5	7
A	1	1	7

4 If you go to sleep at 7 pm and set your alarm clock for 8 am next morning, assuming you go to sleep exactly at 7 pm, how many hours of sleep would you get before the alarm woke you up? [ ]

5 3 cats killed 3 rats in 3 minutes. How many minutes did 100 cats take to kill 100 rats? [ ]

6 Make the odd one out and also say why?

FORD      VANGUARD      BENTLEY      COMET      FIAT

7 DRIVER - 7      PEDESTRIAN - 11      ACCIDENT - ? [ ]

8  $0.875 \times 0.875 + 2 \times 0.875 \times 0.225 + 0.225 \times 0.225 = ?$  [ ]

9 Two men, A and B, start walking from a particular point. A goes four kilometres west and B goes one kilometre north. B turns left and walks four kilometres and A turns right and walks one kilometre.

(a) How far are they from each other? [ ]

(b) Who walked more? [ ]

(c) In which direction is A moving finally? [ ]

(d) In which direction is B moving finally? [ ]

10 Suppose you have a 9 cm  $\times$  16 cm rectangular sheet of paper. Show how with only one cut you can make a square sheet of side 12 cm.

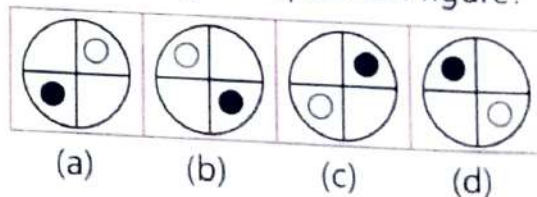
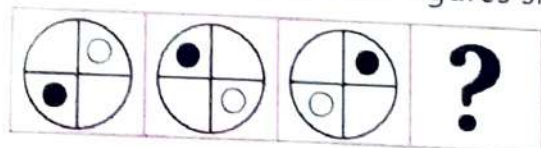


### Fact File

Eratothenes introduced the Sieve of Eratothenes, an ancient and efficient method of identifying prime numbers up to any given limit.

Work in pairs and solve these puzzles :

- 1 Six books are kept one on top of the other. The history book is just above Accountancy. The Maths book is between Punjabi and Urdu. English is between History and Punjabi. Now, answer the following questions :
- (i) Which book is between the Maths and English books?  
 (a) Accountancy  (b) History  (c) Urdu  (d) None of these
- (ii) Which book is at the bottom?  
 (a) Accountancy  (b) Punjabi  (c) Urdu  (d) English
- (iii) Which book is at the top?  
 (a) Punjabi  (b) Urdu  (c) History  (d) English
- 2 Introducing Rajesh, Neha said, his brother's father is the only son of my grandfather. How is Neha related to Rajesh?  
 (a) Daughter  (b) Sister  (c) Mother  (d) Niece
- 3 In a queue, I am the last person while my friend is seventh from the front. If the person exactly between me and my friend is on the 23rd position from the front, what is my position in the queue?  
 (a) 37  (b) 36  (c) 40  (d) 39
- 4 From a point, Rajneesh started walking towards east and walked 35 m. He then turned towards his right and walked 20 m. He again turned right and walked 35 m. Finally, he turned to his left and walked 20 m and reached his destination. How far is he from the starting point?  
 (a) 55 m  (b) 50 m  (c) 20 m  (d) 40 m
- 5 Which one of the answer figures shall complete the given question figure?



Choose the correct answer from those given. Tick (✓) the right one :

- 1 If you rearrange the letters CIFAIPC, then you would have the name of a/an :  
 (a) City  (b) Animal  (c) Ocean  (d) River
- 2 Masud needs 13 bottles of water from the store. He can only carry 3 at a time. What's the minimum number of trips he needs to make to the store?  
 (a) 3  (b) 4  (c)  $4\frac{1}{2}$   (d) 5
- 3 Which one of the following four choices makes the best comparison? PEACH is to HCAEP as 46251 is to :  
 (a) 25641  (b) 15264  (c) 12654  (d) 51462
- 4 Choose the number that is  $\frac{1}{4}$  of  $\frac{1}{2}$  of  $\frac{1}{5}$  of 20?  
 (a) 2  (b) 0.5  (c) 10  (d) 25
- 5 What is the missing number in the sequence shown below?  
 1 - 8 - 27 - ? - 125 - 216  
 (a) 36  (b) 45  (c) 64  (d) 99
- 6  $\frac{16}{25}$  is equal to :  
 (a) 64%  (b) 55%  (c) 70%  (d) 16%
- 7 The radii of two circles are in the ratio 5 : 7. The ratio of their circumferences will be :  
 (a) 5 : 14  (b) 10 : 7  (c) 5 : 7  (d) 22 : 7
- 8 Rahul earns ₹ 20,000. He spends 20% of his income. He saves :  
 (a) ₹ 4,000  (b) ₹ 10,000  (c) ₹ 16,000  (d) ₹ 8,000
- 9 Ram is heavier than Shyam but not as heavy as Ravi. Shyam is heavier than Vijay. Anuj is heavier than Ram but lighter than Anil. Who is the lightest?  
 (a) Ram  (b) Shyam  (c) Vijay  (d) Ravi
- 10 A meets B. B has a son C and a daughter D. E is the mother of A. C is married and has one son. E is the daughter-in-law of B. How is A related to B?  
 (a) Uncle  (b) Grandson  (c) Son  (d) Nephew
- 11 A man started walking towards the West. He turned right, then right again and then left. In which direction is he walking now?  
 (a) North  (b) South  (c) East  (d) West


**Fact File**

Intelligent people have more zinc and copper in their hair

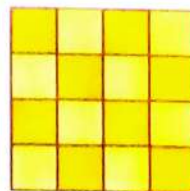


# TEST YOUR WITS

Sharpen your brain by solving these witty problems :

- 1 If 7 monkeys take 7 minutes to eat 7 bananas,
  - (a) How many minutes would it take 4 monkeys to eat 4 bananas? .....
  - (b) How many monkeys would it take to eat 56 bananas in 56 minutes? .....
- 2 Roshan is fixing a square metal plate, which is  $25 \times 25$  inches, on to a wooden board. He uses nails all along the edges of the square such that there are 26 nails on each side. Each nail is at the same distance from the nails next to it. How many nails did he use? .....
- 3 There were 10 children in a new class. The teacher asked each child to shake hands with every other child in the class. How many total handshakes were there? .....
- 4 You already have one rupee in your piggy bank. Your father gives you one rupee the first day, two rupees the second day, four rupees the third day, and so on. Your piggy bank gets full on the fourteenth day.
  - (a) On which day will your piggy bank be half full? .....
  - (b) If your mother also gave you one rupee the first day, two rupees the second day, four rupees the third day, and so on, then on which day would your piggy bank be half full? .....
- 5 A 12 feet tall pole casts a 3 feet long shadow on the ground. If the pole was 28 feet tall then how long would its shadow be? .....
- 6 My sister and I played a game of chess everyday for some days. Whoever lost the game owed a rupee to the other. After the last game was played, we counted the number of games each of us had won and lost. I had won more than her. So, she gave me 14 rupees though she had won 11 games herself. How many games did we play? .....
- 7 Gopi spent one-fourth of his life as a boy, one-eighth as a youth, and one-half as an active man. If Gopi spent 11 years as an old man, then how many years did he spend as an active man? .....
- 8 A log can be cut into a four-metre long piece in one minute. How long will it take to cut it into ten pieces? .....
- 9 You buy a cricket bat and ball for ₹ 110. If the bat cost ₹ 100 more than the ball, then what is the cost of the ball? .....

10 How many squares are there in this figure?

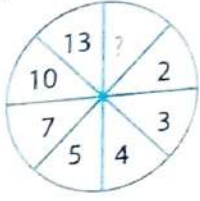


$$K \frac{f_{x.a.r}}{1+r} = \sum_{u=0}^{\infty} \frac{(n-2u+2)s + (n-2u+2)s + a_0^u}{2 \cdot \pi^{u-1} \dots r+1}$$

# Mathemagic



Are you quick with numbers? Check out your speed with this quiz. Tick (✓) the correct choice :

- Which of the given numbers is next in the series?  
15, 35, 65, 105, 155, .....  
 (a) 215  (b) 225  (c) 195  (d) 185
- If A denotes '+', B denotes 'x', C denotes '-' and D denotes '-', then,  
35A 7C 4B 6D 5 = ?  
 (a) 49  (b) 57  (c) 24  (d) 20
- If the code for BANGALORE is coded as 5, 2, 17, 12, 2, 8, 11, 10, 7 then the code for NAGPUR will be :  
 (a) 17, 2, 12, 9, 6, 10  (b) 17, 12, 2, 9, 6, 10   
 (c) 17, 10, 12, 9, 15, 2  (d) 17, 2, 10, 9, 6, 12
- In the series 2, 11, 20, 26, 32, 37, 38 one number is wrong. That number is :  
 (a) 32  (b) 26  (c) 37  (d) 38
- Out of 50 players in a college, 10 play all the three games and 22 play two games. Equal number of players play only one game. 9 play cricket and hockey. 5 play hockey and volleyball. The total number of players who play cricket is  
 (a) 31  (b) 33  (c) 36  (d) 29
- A boy has as many sisters as brothers, but each girl has only half as many sisters as brothers. How many boys and girls are there in the family?  
 (a) 4 boys and 6 girls  (b) 6 boys and 4 girls   
 (c) 3 boys and 4 girls  (d) 4 boys and 3 girls
- Using the numbers 3, 3, 3, 3, 3 and 3, you get the final sum as 45 by the method :  
 (a)  $(3 + 3 + 3 + 3 + 3) \times 3$   (b)  $3 - (3 + 3) \times 3 - 3 \times 3$    
 (c)  $3 \times 3 \times 3 \times 3 + 3 + 3$   (d)  $3 \times 3 + 3 \times 3 + 3 \times 3$
- Twice twenty-five sixes is :  
 (a) 150  (b) 600  (c) 300  (d) 75
- Fill in the missing number.  


10 Complete the series.

- (i) 15 8 22  
 7 12 18  
 13 9 ?

- (ii) 16 4 5  
 25 5 6  
 9 3 ?

**A** There are five figures A, B, C, D and E in each question given below. Two figures are not in the right order. Write their letters.

	A	B	C	D	E		A	B	C	D	E
1						1					
2						2					
3						3					

**B** Each of the following question figures has a blank. It has to be filled up with the correct choice among the answer figures. Write the letter of the correct answer figure :

	Question Figure					Answer Figure			
	(a)	(b)	(c)	(d)	(e)				
1									
2									
3									
4									
5									



# SUDOKU

Sudoku is a mind game and a puzzle that you solve with reasoning and logic. Sudoku uses numbers, but no mathematics is needed and that is why it is so popular.

## SUDOKU RULE

Fill in the grid with digits in such a manner that every row, every column and every  $3 \times 3$  box accommodate the digits 1-9 without repeating any.

4	1	5	9	2	3	8	6	7
3	9	6	8	4	7	5	2	1
8	2	7	1	6	5	4	9	3
1	3	2	4	9	6	7	5	8
7	6	4	3	5	8	2	1	9
9	5	8	7	1	2	6	3	4
5	4	3	2	7	1	9	8	6
6	7	1	5	8	9	3	4	2
2	8	9	6	3	4	1	7	5

Solve these sudoku puzzles :

### Puzzle : 1

3				9		4	1	
4	6					8	5	7
		7	4	2		6		3
	4				2	9		
2	9	6	7		3		5	8
	7		8	1			4	
7		9		5	4	3		
		5		8	1		2	4
1		4	3			8		5

### Puzzle : 2

			8	2	4	1			3
	1						8	9	
6	2				8	9	4		7
7	6	9	1						5
	3	2	9	5	8	7			
					6	1	2		
	9	7			2		4		
2		1	7					3	8
			4	9	3	2			

### Puzzle : 3

9		2					6	8
			6	9		5	3	
7		3		8	5		2	9
2		6			8		9	3
8		1	3	4	9	6		2
	3		2					1
3	2			5		9		6
	9	5		2	6			
6	8					2		5

### Puzzle : 4

			9	7				3	8
4	7			1	5		9		6
1			8	6		9		7	
			2	5	7		8		1
8			5		9	1	2		7
	9	1		6	2	3			
	5			2		6		1	3
3			6			7			2
2	1				4	5	6		

# Quick Test

4

(Based on Learning Skills)

A. Tick (✓) the correct option :

- You have sprained your foot while playing football in school.
  - Start crying in pain
  - Apply an ice pack and muscle relaxant
  - Go to the infirmary in your school
- My name is Bholu. Take a train ride with me on the \_\_\_\_\_ .
  - Air India
  - Indian Railways
  - 7 Up
- Which one of the following four choices makes the best comparison? PEACH is to HCAEP as 46251 is to :
  - 25641
  - 15264
  - 51462
- Which of the given numbers is next in the series? 15, 35, 65, 105, 155, \_\_\_\_\_
  - 215
  - 225
  - 195

B. Fill in the blanks :

- \_\_\_\_\_ means belief in one's own efforts and abilities.
- Come and play some \_\_\_\_\_ video games with me, Mario.
- Intelligent people have more \_\_\_\_\_ and \_\_\_\_\_ in their hair.
- Twice twenty-five sixes is \_\_\_\_\_ .

C. Complete the series :

1.

15	8	22	
7	12	18	
13	9	?	<input type="text"/>

2.

16	4	5	
25	5	6	
9	3	?	<input type="text"/>

D. There are five figures A,B,C,D and E in each question given below. Two figures are not in the right order. Write their letters :

1.

A	B	C	D	E	<input type="checkbox"/>

2.

A	B	C	D	E	<input type="checkbox"/>

3.

					<input type="checkbox"/>
--	--	--	--	--	--------------------------

4.

					<input type="checkbox"/>
--	--	--	--	--	--------------------------

# Half-Yearly Test Paper

(Based on Units 1 to 4)

A. Tick (✓) the correct option :

1. The Elephant Grass found in Africa is upto \_\_\_\_\_ tall.  
(a) 16 feet (b) 14 feet (c) 18 feet
2. An expression that adds colour to language is called :  
(a) Simile (b) Syntax (c) Idiom
3. Fertilizers derived from animal or plant matter is called :  
(a) Compost (b) Weedicide (c) Biological Fertilizers
4. Who is the Father of Indian Nuclear Science?  
(a) Salim Ali (b) Homi J. Bhabha (c) Bal Gangadhar Tilak
5. Sundarban National Park is located in :  
(a) Assam (b) Rajasthan (c) West Bengal

B. Fill in the blanks :

1. \_\_\_\_\_ translated the Ramayana into Tamil for the first time.
2. The Japanese macaque monkeys are also called \_\_\_\_\_.
3. \_\_\_\_\_ is awarded in recognition of outstanding achievement in national sports.
4. \_\_\_\_\_ is believed to be the birthplace of Lord Krishna.
5. The first Jewish synagogue built in India is located in \_\_\_\_\_.

C. Match the following .

- |                       |                             |
|-----------------------|-----------------------------|
| 1. Matilda            | (a) Desdemona, Lago, Cassio |
| 2. Othello            | (b) Roald Dahl              |
| 3. Paunar             | (c) Germany                 |
| 4. Bundestag          | (d) Otto von Bismarck       |
| 5. Iron Man of Europe | (e) Vinoba Bhave            |

D. Identify the following pictures and write their names :



1



2



3



4

# Annual Test Paper

(Based on Units 5 to 8)

## A. Tick (✓) the correct option.

- In this sport, the ball cannot be hit twice on the wall.  
(a) Squash                      (b) Tennis                      (c) Basketball
- This well-known Hollywood actor is also a rapper. Name him.  
(a) Morgan Freeman              (b) Will Smith              (c) Laurence Fishburne
- Which is the largest moon in our solar system?  
(a) Earth                      (b) Ganymede              (c) Titan
- If you rearrange the letters CIFAIPC, then you would have the name of a/an :  
(a) City                      (b) Animal                      (c) Ocean
- Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?  
(a) Mother                      (b) Daughter                      (c) Grandmother

## B. Fill in the blanks :

- As Pele is to Brazil, Beckham is to \_\_\_\_\_.
- Luxo Jr. was created by \_\_\_\_\_ to help see animation movies.
- The NASA spacecraft that is the first to orbit planet Mercury is \_\_\_\_\_.
- \_\_\_\_\_ is the most popular standard for mobile phones in the world.
- \_\_\_\_\_ is a mind game and a puzzle that is solved with reasoning and logic.

## C. Match the following :

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| 1. Whom the gods love die young | (a) Immediate care                |
| 2. First-aid                    | (b) Trophonius                    |
| 3. K. Srinivasa Krishnan        | (c) Mars                          |
| 4. The Red Planet               | (d) Calcium sulphate              |
| 5. Plaster of Paris             | (e) Co-discoverer of Raman Effect |

## D. Identify the following pictures and write their names :



1



2



3



4

# Olympiad Model Paper

A. Tick (✓) the correct option :

1. Which animal has the largest brain in the world?  
(A) Shark whale  (B) Dolphin   
(C) Octopus  (D) Sperm whale
2. 'To read between the lines' means :  
(A) To read quickly  (B) To have a good eyesight   
(C) To criticize someone  (D) To understand the hidden meaning
3. .... skills help us to find solutions for complex issues.  
(A) Problem-solving  (B) Self-empathy   
(C) Self-awareness  (D) None of these
4. How many players are there in each team of water polo?  
(A) 4  (B) 5   
(C) 6  (D) 7
5. Who among the following was the longest serving Prime Minister of our country?  
(A) Atal Bihari Vajpayee  (B) Jawaharlal Nehru   
(C) Indira Gandhi  (D) Narendra Modi
6. An instrument used to measure blood pressure is called :  
(A) Stethoscope  (B) Barometer   
(C) Sphygmomanometer  (D) Otoscope
7. Having the confidence to try new things is a sign of strong .....  
(A) Goal  (B) Emotion   
(C) Self-esteem  (D) Personality
8. What is the full form of GPS?  
(A) General Power Status   
(B) Global Positioning System   
(C) Gateway Position System   
(D) None of the above

9. Perseverance, which is a necessary trait possessed by successful students, involves :
- (A) Developing mental strength
  - (B) Trying until the goal is attained
  - (C) Ability to see failure as a positive learning experience
  - (D) All of the above
10. A meets B. B has a son C and a daughter D. E is the mother of A. C is married and has one son. E is the daughter-in-law of B. How is A related to B?
- (A) Uncle
  - (B) Grandson
  - (C) Son
  - (D) Nephew

### SPACE FOR ROUGH WORK

# ANSWER SHEET

- Page 8 : 1. Blue Whale 2. Kori Bustard 3. Giant Squid  
4. Cheetah 5. Green Anaconda 6. Maine Coon  
7. Male Bee Hummingbird 8. Pygmy Marmoset  
9. Killer Whale 10. Greyhound 11. Great White Shark

- Page 9 : 1. Komodo Dragon 2. Llama 3. Jaguar 4. Kakapo  
5. Alpine Ibex 6. Orangutan 7. Wombat 8. Okapi

- Page 10-11 : 1. Coral polyps 2. Starfish 3. Pufferfish 4. Kelp  
5. Scallop 6. Crab 7. Lanternfish 8. Manatee  
9. Rhodophyta or the red algae 10. Shark  
11. Jellyfish 12. Seagrass

- Page 12 : 1. Wood frog 2. Arctic fox 3. Frill lizard 4. Reindeer  
5. Burmese python

- Page 14 : 1. b 2. c 3. c 4. a 5. c 6. b 7. c 8. a 9. a 10. b

- Page 15 : 1. Biological Fertilizers 2. Organic Farming  
3. Weedicide 4. Compost 5. Irrigation 6. Crop  
Rotation 7. Subsistence Farming 8. Intensive  
Farming

- Page 16 : 1. Durian 2. Rambutan 3. African Cucumber 4. Star  
Fruit 5. Mangosteen 6. Passion Fruit 7. Prickly Pear  
8. Dragon Fruit

Page 17 :  

E	A							
P	R	O	L	O	G	U	E	S
I	L	A	E	T				
A	G	P	I	T	H	E	I	
P	O	R	E					
H	R	E						

S	Y	N	T	A	X	C							
I	M	A	G	E	R	A	N						
A	L	L	I	T	E	R	A	T	I	O	N	E	T
E	D	A	P	H	Y	P	E	R	B	O	L	E	
M	O	R											

- Page 18 : 1. skin 2. fate 3. cork 4. fare 5. fade 6. diet 7. brag  
8. lake 9. cone 10. lamb 11. cafe 12. salt 13. knee  
14. coin 15. heir 16. item

- Page 19 : A. 1. Queue 2. Stationary 3. Gait 4. Cache 5. Mettle  
6. Compliment 7. Piques 8. Aisle 9. Quay  
B. 1. flair, flares 2. Lama, Llama 3. ascent, assent  
4. cite, site 5. dissent, descent

- Page 20 : A. 1. MAREECHA 2. ASHWATHAMA 3. AMBA  
4. DUSHALA 5. KAIKESI 6. GHATOTKACHA  
7. DRONA 8. JAMBAVANA 9. VIDURA

- B. 1. RAVI CHOPRA 2. KAMBAN 3. BADAYUNI  
4. SHASHI THAROOR 5. RAMANAND SAGAR

- Page 21 : 1. Mirabai 2. Salim Ali 3. Mahavira 4. Kumbhakarna  
5. Kalidasa 6. Jesus Christ 7. Anant Pal 8. Savitri

- Page 22 : 1. Mowgli, Rudyard Kipling 2. Sherlock Holmes,  
Arthur Conan Doyle 3. Peter Pan, J.M. Barrie  
4. Matilda, Roald Dahl 5. David Copperfield, Charles  
Dickens 6. Alice, Lewis Carroll 7. Winnie the Pooh,  
A.A. Milne 8. Swami, R.K. Narayan

- Page 23 : 1. IV (c) 2. VIII (e) 3. III (f) 4. IX (a) 5. V (j) 6. II (h)  
7. VII (i) 8. X (b) 9. I (d) 10. VI (g)

- Page 24 : 1. i 2. c 3. g 4. j 5. h 6. d 7. b 8. e 9. f 10. a

- Page 25 : 1. f 2. j 3. a 4. b 5. c 6. d 7. i 8. g 9. e 10. h

Page 26 : Quick Test-1

- A. 1. a 2. a 3. b 4. c

- B. 1. Jaguar 2. Double coconut 3. Ramayana 4. April  
23,1564

- C. 1. c 2. d 3. a 4. b

- D. 1. Okapi 2. Dragon Fruit 3. Nelson Mandela

- Page 28 : 1. 1946 2. Dr Rajendra Prasad  
3. Government of India Act, 1935 4. Dr B.R.  
Ambedkar 5. Mauryan 6. Weimar Constitution of  
Germany 7. British Constitution 8. Irish Constitution  
9. French Revolution 10. Supreme Court 11. Eleven

- Page 29 : 1. Arjuna Award 2. Dronacharya Award 3. Bharat  
Ratna 4. Ashok Chakra 5. Dadasaheb Phalke Award  
6. Sangeet Natak Akademi Award 7. Jeevan Raksha  
Padak 8. Param Vir Chakra

- Page 30 : 1. Uttarakhand 2. Rajasthan 3. Gujarat 4. Uttar  
Pradesh 5. Madhya Pradesh 6. Assam 7. West  
Bengal 8. Karnataka 9. Kerala

- Page 31 : 1. h 2. j 3. j 4. g 5. k 6. l 7. b 8. c 9. a 10. f 11. e  
12. d

- Page 32 : 1. Operation Vijay 2. Golden Triangle of Odisha  
3. Lucknow 4. Gandhinagar 5. Baba Amte 6. Central  
Inland Water Transport Corporation Limited-Kolkata  
7. Narmada 8. Andaman and Nicobar Islands  
9. Nirmal Hriday 10. Sucheta Kriplani-U.P.  
11. Bharatpur-Rajasthan

Page 33 : 1. Mumbai 2. Vrindavan 3. Kochi 4. Jammu & Kashmir 5. Kaziranga 6. Nashik 7. Sriharikota 8. Sikkim 9. Pushkar 10. Andaman and Nicobar Islands

Page 34 : 1. Assam 2. Bihar 3. Chhattisgarh 4. Gujarat 5. Kerala 6. Madhya Pradesh 7. Meghalaya 8. Maharashtra 9. Manipur 10. Punjab 11. Rajasthan 12. Tamil Nadu 13. Uttarakhand

Page 35 : 1. a 2. c 3. a 4. b 5. b 6. c 7. c 8. c 9. c 10. c

Page 36-37 : 1. Mount Rushmore 2. Angkor Wat 3. Burj Khalifa 4. CN Tower 5. Sydney Opera House 6. Hagia Sophia 7. St. Basil's Cathedral 8. Buckingham Palace 9. Colosseum 10. Ayers Rock 11. Petronas Towers 12. Parthenon

Page 38 : 1. India 2. Japan 3. Australia 4. USA 5. Norway 6. China 7. Greece 8. Germany 9. Finland 10. Hungary 11. Canada 12. Denmark 13. Bangladesh 14. Russia

Page 39 : 1. i 2. b 3. k 4. j 5. g 6. d 7. h 8. f 9. m 10. e 11. l 12. a 13. c

Page 40 : 1. Bal Gangadhar Tilak 2. Hippocrates 3. Homi J. Bhabha 4. Herodotus 5. Adolf Hitler 6. C. F. Andrews 7. Salim Ali 8. Sir Donald Bradman 9. Charles Babbage 10. Muhammad Ali 11. Otto von Bismarck 12. Pele 13. Maharaja Ranjit Singh 14. Geoffrey Chaucer 15. Dadabhai Naoroji 16. Nelson Mandela 17. Charles Dickens 18. Tenzin Gyatso 19. Joan of Arc

Page 41 : 1. Norway 2. Finland 3. Bahrain 4. Tibet 5. Egypt 6. New York 7. Canada 8. Rome 9. Switzerland 10. Thailand 11. Cuba 12. Venice 13. Japan 14. Gibraltar

Page 42 : 1. Lincoln 2. Cristina 3. King 4. Amte 5. Gillard 6. Morsi 7. Kenyatta 8. Raul 9. Lobsang 10. Karzai

Page 43 : 1. Wilhelm 2. Rabindranath 3. Rudyard 4. Theodore 5. Mother 6. Amartya 7. Muhammad 8. Henry

Page 44 : **Quick Test-2**

A. 1. a 2. b 3. c 4. b

B. 1. Dronacharya Award 2. Baba Amte 3. Karzai 4. Alfred Nobel

C. 1. c 2. d 3. a 4. b

D. 1. Rajasthan 2. Mount Rushmore 3. Mother Teresa

Page 46 :



Page 47 : A. 1. Yacht Racing 2. Lawn Tennis 3. Horse Race 4. Golf 5. Football 6. Cricket 7. Badminton 8. Badminton Women 9. Basketball 10. Tennis

B. 1. Hockey 2. Weightlifting 3. Basketball 4. Football 5. Polo 6. Cricket 7. Rowing 8. Athletics 9. Badminton 10. Cricket

Page 48-49 : A. 1. e 2. d 3. f 4. a 5. c 6. b 7. g 8. i 9. k 10. l 11. h 12. j

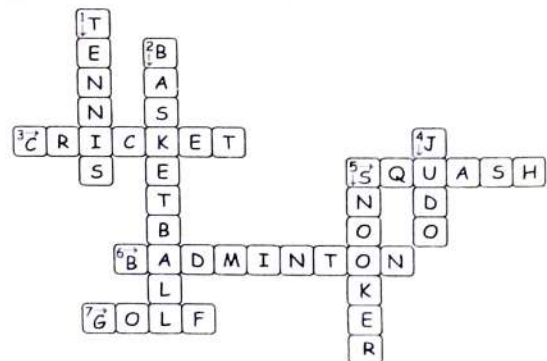
B. 1. a 2. a 3. a 4. b 5. b

C. 1. h 2. a 3. c 4. f 5. j 6. i 7. g 8. b 9. d 10. e

Page 50-51 : 1. 1960 2. Rome 3. 400 4. Athletes in wheel chair 5. One who established the paralympic games 6. Because athletes with different disabilities were included for the first time of a summer paralympics 7. These were the first winter games to use the same facilities as the winter Olympics 8. In 1976 9. Ornskoldsvik Sweden 10. No 11. 1960 12. Neroli Fairhall, Archery 13. International Paralympic Committee 14. 1989 15. 176 NPC 16. 10 17. Athletes in wheel chair 18. Trischa Zorn 19. Ragnhild Myklebust of Norway 20. 1968

Page 52 : 1. Karate 2. Kung Fu 3. Judo 4. Tae Kwon Do 5. Tai Chi 6. Kick Boxing 7. Kendo 8. Sumo Wrestling

Page 53 :



1. A. W. 2. B. 3. B. 4. 1. Shabir 2. K. 3. A. 4. S.  
 5. Christine 6. S. 7. A. 8. Angelina 9. J. 10. b  
 11. Roger 12. e. 13. Tom 14. Cruise  
 15. p 16. b 17. c 18. x 19. a 20. x 21. b 22. b 23. a 24. b 25. c

1. p 2. e 3. a 4. b 5. i 6. d 7. s 8. f 9. g 10. x  
 11. Meningitis 12. Chicken Pox 13. Jaundice 14. Dengue  
 15. Allergy 16. Anaemia 17. Diabetes 18. Conjunctivitis  
 19. Photocopyer 20. Scrabble 21. Contact Lens  
 22. Rubik's Cube 23. Coca Cola 24. Blue Jeans 25. Video  
 Game 26. Ball Point Pen 27. Safety Pin 28. Band Aid

1. GALILEO GALILEI 2. NICOLAUS COPERNICUS  
 3. CHARLES DARWIN 4. ARCHIMIDES 5. ISAAC  
 NEWTON 6. MARIE CURIE 7. STEPHEN HAWKING

1. d 2. x 3. b 4. e 5. i 6. j 7. f 8. m 9. k 10. g  
 11. a 12. e 13. i 14. b 15. b

1. Soyuz 2. Laska 3. Chandrayan 4. Sputnik 1  
 5. Apollo-11 6. Discovery 7. Kepler 8. Columbia  
 9. Mir 10. Messenger

1. g 2. p 3. i 4. b 5. m 6. o 7. l 8. e 9. e 10. k  
 11. i 12. b 13. d 14. f 15. a 16. b

1. CMOS 2. router 3. Service 4. GSM 5. TCP/IP  
 6. simulator 7. metherboard 8. virus 9. Spyware  
 10. applet 11. Lime Wire 12. dot 13. pixel  
 14. multimedia card 15. Blue Ray Disc

#### Quick Test 3

- A. 1. b 2. b 3. a 4. b  
 B. 1. Olympic Games 2. Bruce Lee 3. Marie Curie  
 4. Chandrayan  
 C. 1. c 2. a 3. d 4. b  
 D. 1. Lionel Messi 2. Isaac Newton 3. A.R. Rehman

1. b 2. c

1. Indian Railways 2. Energizer 3. Nintendo  
 4. Mc Donald's 5. Air India 6. 7 Up 7. Cheetos  
 8. Pixar 9. Michelin 10. Walt Disney

- A. 1. a 2. b 3. a 4. c 5. c  
 B. d, c, b, a

1. d 2. b 3. c 4. n 5. k 6. l 7. i 8. g 9. a 10. m  
 11. f 12. e 13. h 14. o 15. r 16. p 17. q 18. j

1. Q 2. 1 person 3. (a) 4. (b) 5. (a) 6. 17

1. POD 2. 54 3.  $\frac{9}{7}$  4. 1 hour (in an alarm clock  
 am and pm cannot be set) 5. 3 minutes 6.  
 COMET— because the other names are all names

of car makes comet scan across 9 = 1.21 = (11)  
 2100 kilometre (D) Both walked the same distance  
 (c) North (d) West 10.  $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$



By cutting along the dotted line

1. (i) d (ii) a (iii) b 2. b 3. d 4. d 5. b

1. x 2. d 3. b 4. b 5. c 6. a 7. x 8. x 9. c 10. b 11. a

1. a 2. minutes 3. monkeys 4. (48/24) = 100 = 45

4. a. The tenth day b. twelfth day = length of  
 shadow of a pole 28 feet tall = (28/12) x 3 = 7 feet 6. 36  
 7. life as boy 88/4 = 22 yrs. life as youth 88/8 = 11 yrs.

life as active man = 88/2 = 44 yrs. life as old man = 88/8  
 = 11 yrs. therefore life spend as active man = 88/2 = 44  
 yrs = 9. Nine. The tenth piece will not be cut = The bat  
 costs ₹ 105 and ball ₹ 5. then the difference would be  
 100 = 10. 30

1. a 2. x 3. a 4. c 5. b 6. d 7. a 8. c 9. 16 10. (i) 21  
 (ii) 4

A. 1. AD 2. BC 3. CE 4. CE 5. BE 6. AD

B. 1. a 2. d 3. c 4. d 5. b

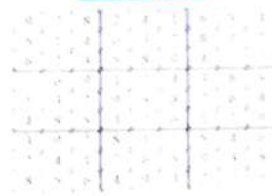
#### Puzzle : 1



#### Puzzle : 3



#### Puzzle : 2



#### Puzzle : 4



#### Quick Test 4

- A. 1. c 2. b 3. b 4. a  
 B. 1. Self reliance 2. Nintendo 3. zinc copper 4. 300  
 C. 1. 21 2. 4  
 D. 1. AD 2. CE 3. AD 4. CE

#### Olympiad Model Paper

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



United Nations

SUSTAINABLE DEVELOPMENT

GOALS



These 17 United Nations Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 to ensure that by 2030 all people enjoy peace and prosperity, globally.

The SDGs represent an aspiring plan to enhance peace and prosperity, eradicate poverty and protect the planet, now and into the future.