

SCIENCE OLYMPIAD

PRACTICE BOOK



GRADE
2

The Science Olympiad series is an initiative of International Society for Olympiad (ISFO)
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Preface

Our education system effectively provides an introduction to the concepts of Math and Science and helps us understand the underlying concepts. But in its overly generalized approach, which aims to enlighten and test all students of varying caliber and interests, it leaves the exploration of application of all these concepts completely on the students.

This workbook is designed to enable students to explore Science effectively. Designed in accordance with the requirements of the Science Olympiads, the workbook is an efficient tool to achieve comprehensive success at the **ISFO – Science Olympiad**.

The main aim of this workbook is to assist students in developing and improving their ability to solve problems.

Each chapter of the book consists of 3 sets of questions.

- **Section A** (Scientific Reasoning) : This section is created to test the knowledge of scientific concepts and topics pertaining to the respective grades.
- **Section B** (Everyday Science) : This section deals with the application of the concept learnt.
- **Section C** (BrainBox) : Questions to prepare students with HOTS (Higher Order Thinking Skills), based on the syllabus provided.

Logical Reasoning section is provided to equip students with verbal and non-verbal analysis and reasoning skills.

Sample Test Papers and Answer keys have been provided to accelerate the learning process.





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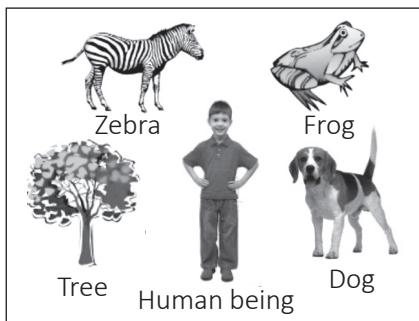


Living and Non-Living Things

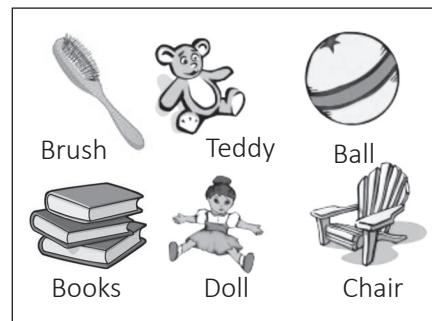
- There are many things around us. Some of them are living while others are non-living.
- All the things which can move, feel and breathe are living things.
- Living things feel but non-living things do not feel.
All plants, human beings and animals can feel the sensation.
- Living things grow but non-living things do not grow.
All living things grow. A boy grows as a man, a girl grows as a woman, a small plant grows as a tree.
- Living things can reproduce but non-living things cannot reproduce.
All living beings give birth to their own kind. The way of reproduction is different and varies from one living being to another.
- Living things can move but non-living things cannot move.
All living things except plants can move on their own.
- Living things can breathe but non-living things cannot breathe.
Human beings breathe in air through nose, fishes breathe in water through their gills. A frog breathes through moist skin.
- All living things intake food.
- All living things respond to stimuli.



Examples:



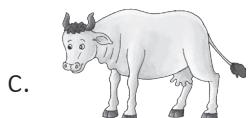
Living things



Non-living things

SECTION - A : SCIENTIFIC REASONING

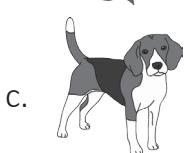
1. For which of the following breathing is necessary?



2. Which of the following does not lay eggs?



3. Identify the things that can grow.



d. All of these

4. Which of the following can move on their own?



d. All of these

5. Identify the things in your school, that can move on their own.



6. Which of the following can talk and play with you?



d. All of these

7. Which one of the following does not grow in size?



d. All of these

8. Producing babies is a characteristic of which one of the following?

a. Non-living things

b. Living things

c. Both A and B

d. None of these

9. What does the animal shown in the picture grow up to be?

- a. Dog
- b. Cat
- c. Elephant
- d. Cow



10. Deer eats X. Identify X from the options given below.

- a. Grass
- b. Eggs
- c. Insects
- d. Other animals

11. Which of the following statements is incorrect?

- a. A living thing grows.
- b. A non-living thing grows.
- c. A non-living thing cannot breathe.
- d. A living thing can breathe.

12. Jiya has two flower pots, one with plastic flowers and other with real flowers. Which one of them will grow?

- a. The one with real flowers.
- b. The one with plastic flowers.
- c. Both a and b
- d. None of these

13. Which of the following can feel pain, if hit?

- a. A dog
- b. A cat
- c. A table
- d. Both a and b

14. A table has four legs. Can it move on its own?

- a. Yes
- b. No
- c. Sometimes it can move
- d. None of these

15. A car needs food in the form of fuel. A car is _____.

- a. a non-living thing
- b. a living thing
- c. a plant
- d. an animal

SECTION B : EVERYDAY SCIENCE

16. Observe the following picture and answer the question.



Which of the following option is correct regarding this picture?

- a. All trees are living things.
- b. Squirrel and birds are living things.
- c. Bench and swings are non-living things.
- d. All of these

17. "I am made from plastic and cannot grow, move or feel. When you are hungry at your school I treat you with tasty food". Guess who am I?

- a. Water bottle b. Mouth
- c. Lunch box d. Leaf

18. Look at the following pictures. Which is the correct statement about A and B?



A. Tiger



B. Toy tiger

- a. A and B both are tiger.
- b. A is living B is non living.
- c. A is a non-living tiger and B is a living tiger.
- d. A and B both can hear and feel.

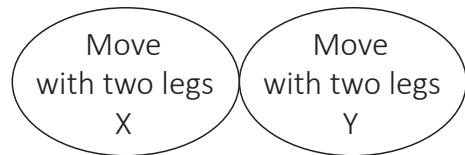
19. Riya's mother gave her a chocolate. She also gave a chocolate to Riya's teddy bear. But Riya and teddy bear did not respond in the same manner.

Riya's response	Riya's teddy bear's response
Riya became happy. She gave a hug to her mother.	No response

What is the reason behind the different responses?

- a. Riya can feel and respond.
- b. Teddy bear can feel and respond.
- c. Riya likes chocolates but teddy bear does not like chocolates.
- d. Riya is a non-living thing.

20. Identify the correct match.



- a. X: human beings and Y : a plant
- b. X : a plant and Y : birds
- c. X: birds and Y : a cow
- d. X: birds and Y : a plastic doll

SECTION - C : BRAINBOX

21. Observe the given picture and answer the following question.



Which of the following option is correct?

- a. Books shown in the picture can breathe in carbon dioxide.
- b. Boy can breathe in carbon dioxide.
- c. Both a and b
- d. None of these

22. Give the correct heading to A and B.

A	B
Rose plants	Pencil
Parrots	Eraser
Snakes	Ruler

- a. A – moving things
B – non-living things
- b. A – living things
B – non-living things
- c. A – non-living things
B – living things
- d. All of these

23. Match column A with column B and select the correct option.

Column A	Column B
1) A kitten	p. grows into a sheep
2) A joey	q. grows into a cat
3) A lamb	r. grows into a kangaroo

- a. 1 – r, 2 – q, 3 – p
- b. 1 – q, 2 – r, 3 – p
- c. 1 – p, 2 – q, 3 – r
- d. None of these

Darken your choice with HB pencil

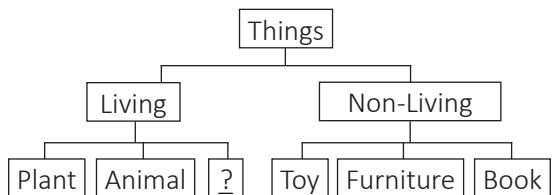
1. a b c d 8. a b c d
 2. a b c d 9. a b c d
 3. a b c d 10. a b c d
 4. a b c d 11. a b c d
 5. a b c d 12. a b c d
 6. a b c d 13. a b c d
 7. a b c d 14. a b c d

24. Identify the name of things that belong to group A and group B.
Things that -

A	B
Can grow	Cannot grow
Can eat	Cannot eat
Can move on its own	Cannot move on its own

- a. A – pigeons, people and plants
B – plates, paper and pencil
- b. A – pigeon, plants and papers
B – plates, chalk and a bird's feather
- c. Both a and b
- d. None of these

25. Fill in the blanks with correct option shown below.



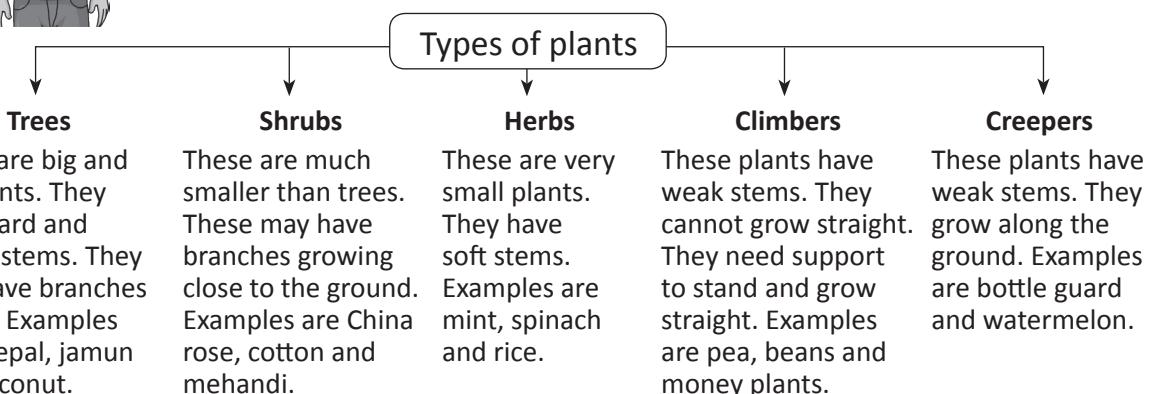
- a. Birds
- b. Human beings
- c. Air conditioner
- d. Both a and b

15. a b c d 22. a b c d
 16. a b c d 23. a b c d
 17. a b c d 24. a b c d
 18. a b c d 25. a b c d
 19. a b c d 20. a b c d
 21. a b c d

Plants and Animals



There are variety of plants and animals. Some are big while others are small. They differ in their shapes and sizes too.



Plants are very useful to us as they give:

- Fruits, vegetables, nuts, cereals, grains etc.
- Fibres, eg, cotton & jute
- Oil, eg. mustard, groundnut
- Medicines, paper, gum and rubber
- Coffee, tea and sugar etc.

- Some animals eat plants. Others eat the flesh of other animals.
- Young ones of different animals are known by different names e.g. baby of cow is called calf, baby of dog is called joey, etc.
- We must protect animals and their homes.

Domestic Animals

- Pet animals and farm animals are called domestic animals. They give us many things.
- Some of them give us food like milk, eggs and meat.
- Some animals give us silk, wool and leather. Leather is made from the skin of dead animals.
- Some animals help us to carry load.
- Some animals look after our houses.

Wild Animals

- These animals live in the jungles.
- Wild animals live in different kinds of homes.

Useful Animals

Buffalo gives us milk.



We get silk from silkworm.



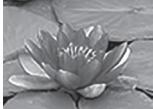
Hen, duck and geese give us eggs.



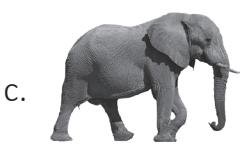
The fur on the body of the sheep is used to make wool.



SECTION - A : SCIENTIFIC REASONING

1. Identify the characteristic of the given plant.
- It is a herb.
 - It is a shrub.
 - It has soft stem.
 - Both a and c
2. We get gum from _____ tree.
- Bamboo
 - Papaya
 - Acacia
 - Peepal
3. Identify the aquatic plants.
- 
 - 
 - 
 - All of these
4. Which of the following figure shows the product that we get from plants?
- 
 - 
 - 
 - All of these
5. Which of the following is an incorrect match?
- Tiger- growl- cub
 - Horse- neigh- fawn
 - Sheep- baa- lamb
 - Cow- moo- calf
6. An animal 'P' lives in a forest. It has a strong feet and a thick covering on its body. It eats the stems of plants. Identify animal 'p'.
- Rabbit
 - Elephant
 - Tiger
 - Giraffe
7. The given leather items can be made from the skin of which of these animals?
- Crocodile
 - Camel
 - Snake
 - All of these
8. The stem of the plant shown here is used to make _____.
- rubber
 - gum
 - sugar
 - oil
9. Which of the following plant does not give us oil?
- Cotton
 - Ground nut
 - Sunflower
 - Mustard
10. _____ is the name for the baby shown here.
- Joey
 - Lamb
 - Fawn
 - Infant

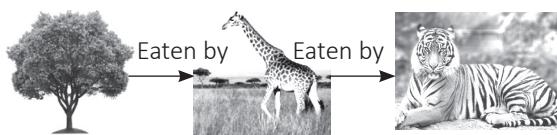


11. Unscramble the letters and find the home of lion.
- EDN
 - YTS
 - ESBLTA
 - EHVI
12. Select the odd one on the basis of their habitat.
- a.  b. 
- c.  d. 
13. Which of the following is not a good behaviour towards animals?
- a. Pulling the tail of your pet
b. Throwing stones at the animals
c. Removing eggs from the bird's nest
d. All of these
14. I grow on a creeper, which has a weak stem. I am a big summer fruit with juicy red pulp. Who am I?
- Pea
 - Mango
 - Watermelon
 - Pumpkin
15. I am a big wild animal. I hop around on my hind legs and carry my babies in the pouch on my stomach. Who am I?
- Deer
 - Elephant
 - Giraffe
 - Kangaroo

SECTION - B : EVERYDAY SCIENCE

16. Yogita describes about a plant that she has seen in a field.
 "It is a small plant with hard stem and branches. It gives us soft fibre which is used to prepare clothes for us."
 The plant is
- Leather plant
 - Silk plant
 - Cotton plant
 - None of these
17. Jiya planted a sunflower plant in pot A and another sunflower plant with the root cut off in pot B. Which of the two plants will be able to grow?
-  Plant in pot A  Plant in pot B
- a.  b. 
- c.  d. 

19. In the diagram shown below, what would the giraffe be called?



- a. Endangered animal
- b. Wild animal
- c. Prey animal
- d. Domestic animal

20. Which of the following picture shows the correct movement of water in a plant?



- a. I
- b. II
- c. III
- d. None of these

SECTION - C : BRAINBOX

21. Find the incorrect statement.



- a. X is leaf
- b. Y is stem
- c. S is stem
- d. Z is root

22. Select the word which on unscrambling describes the sound of a horse.

- a. Niehg
- b. Omo
- c. Kabr
- d. Bary

23. Starting from the first letter, strike out every alternate letter in the given options. Select the one that gives name of young one of the animal shown here.

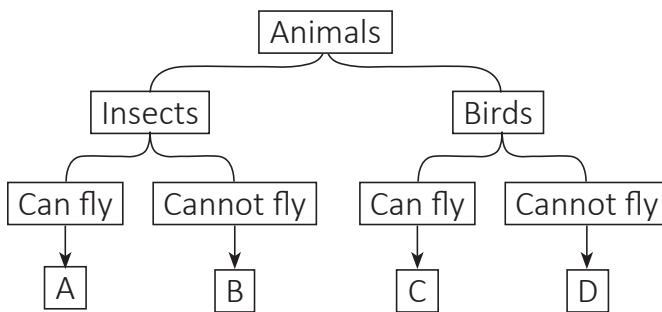


- a. RLSAUMABB
- b. MCNALPFQ
- c. AKSITDL
- d. ABZULFOFEAMLNO

24. Ronit listed out the names of some animals and what they are known as. But he made one mistake. Identify the wrong option.

- a. Lion - the king of the jungle
- b. Camel - the ship of the desert
- c. Elephant - the tallest land animal
- d. Cheetah - the fastest land animal

25. Study the given classification chart. Where should the ostrich and dragonfly be placed?



- a. Ostrich- C, Dragonfly- A
- b. Ostrich- D, Dragonfly- A
- c. Ostrich- A, Dragonfly- B
- d. Ostrich- A, Dragonfly- C

Darken your choice with HB pencil -

- | | | | | | | | | | | | | | | | |
|----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|
| 1. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 8. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 15. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 22. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 2. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 9. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 16. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 23. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 3. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 10. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 17. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 24. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 4. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 11. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 18. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 25. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d |
| 5. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 12. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 19. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 6. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 13. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 20. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |
| 7. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 14. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | 21. <input type="radio"/> a | <input type="radio"/> b | <input type="radio"/> c | <input type="radio"/> d | | | | |

Food helps us to stay alive, grow and be healthy. We get food from plants (e.g. rice, wheat etc.) and animals (e.g. milk, meat, eggs etc.). Individuals who eat meat, egg, etc., are called non-vegetarian and those who only eat food from plants are called vegetarians. The food we eat can be put into different groups.



Energy giving foods

These foods give us energy. We need energy to work and play. Examples are bread, chapatti, sugar, jaggery, cooking oil, rice, potatoes, butter, etc.

Body building foods

These food helps to grow. They help to build our bones and muscles. Examples are milk, nuts, peas, eggs, fish, cheese, pulses, chicken, etc.

Protective foods

These food helps to stay healthy. They keep disease away. Examples are fresh fruits and vegetables.

Eating Habits

Do's

- Eat meals at a proper time.
- Eat clean and fresh food in a clean plate.
- Wash your hands before and after eating.
- Rinse your mouth after eating.
- Chew your food well with your mouth closed.
- Eat a healthy meal.

Don'ts

- Eat too much or too little food.
- Eat with dirty hands.
- Eat dirty and stale food.
- Always eat junk food.
- Eat while reading a book or watching television.

Balanced Diet

- Balanced diet is a diet that contains all the types of food in the right amount.
- We should have our meals at a fixed time everyday.
- We eat breakfast in the morning, lunch in the afternoon, snacks in the evening and dinner at night.
- Sometimes, we store food for longer time using special techniques. This is called food preservation, eg. refrigeration, drying etc.

SECTION - A : SCIENTIFIC REASONING

1. Which of the following is correct?
 - a. We eat three major meals – breakfast, lunch and dinner everyday.
 - b. We only eat one meal a day.
 - c. We eat two meals, breakfast and dinner daily.
 - d. We eat three meals – breakfast, lunch and snack everyday.
2. Identify the energy giving food from the following.
 - a. 
 - b. 
 - c. 
 - d. All of these
3. Which of the following statement is incorrect?
 - a. Eat with dirty hand
 - b. Always eat while reading a book or while watching T.V.
 - c. Both a and b are incorrect
 - d. Rinse your mouth after eating
4. Select the food item that is good for our health.
 - a. 
 - b. 
 - c. 
 - d. 
5. Which of the following are commonly used to make beverages?
 - a. Lemon
 - b. Tea leaves
 - c. Coffee beans
 - d. All of these
6. Which of the following should be avoided?
 - a. Eating with dirty hands
 - b. Drinking dirty water
 - c. Eating uncovered food
 - d. All of these
7. Which of the following is not used as spices?
 - a. Cinnamon
 - b. Turmeric
 - c. Cheese
 - d. Mustard
8. Fill in the blanks with the correct option shown below.
We should never skip _____, because our body requires it the most after hours of gap between meals.
 - a. Dinner
 - b. Breakfast
 - c. Lunch
 - d. Evening snack
9. Which of the following is a rich source of calcium that helps in building strong bones and teeth?
 - a. Milk, curd and cheese
 - b. French fries
 - c. Fruits and vegetables
 - d. Bread and chapatis

10. Which of these is taken least in a healthy and balanced diet?

- a. Sugar, butter and oil
- b. Fruits, vegetables and nuts
- c. Egg, milk and chicken
- d. Cereals, gram and pulses

11. Which of the following food item is a healthy evening snack?

- a. 
- b. 
- c. 
- d. Both b and c

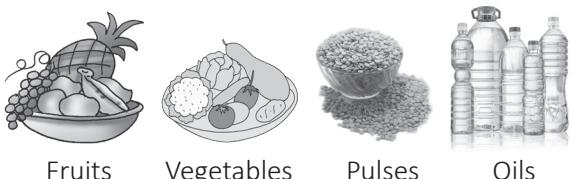
12. Based on the protein rich food items, strike the odd one out.

- a. Chicken
- b. Sugar
- c. Pulses
- d. Eggs

13. If you do not take milk and milk products, it may lead to_____.

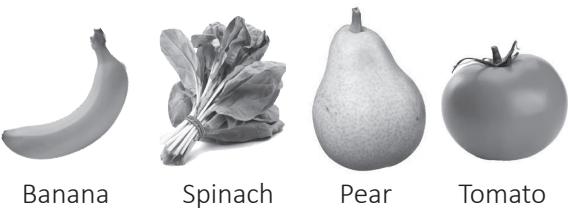
- a. weak muscles
- b. weak teeth
- c. weak bones
- d. both b and c

14. Food shown in the following picture are obtained from _____.



- a. animals
- b. plants
- c. both a and b
- d. none of these

15. The following foods fall into the category of X. Select the correct option for X.



- a. Energy giving foods
- b. Body building foods
- c. Protective food
- d. All of these

SECTION - B : EVERYDAY SCIENCE

16. Joei is having a problem of constipation. Doctor advised her to have lots of roughage and water in her diet. Which of these food items should Joei include in her diet?

- a. 
- b. 
- c. 
- d. 

17. The baby shown in the picture drinks only milk. Besides milk, the baby can have mashed banana, boiled potato, fruit juices, soup, daliya etc.



Why is the baby given such foods?

- a. Because milk is a complete food
- b. Because baby cannot digest hard food items
- c. Because baby until six months old, does not have teeth to chew food
- d. All of these

18. Riya wants to make lemonade. Which of the following ingredients will she choose to make her beverage?

- a. Sugar
- b. Lemons
- c. Water
- d. All of these

19.  Aryan - "I want to become a sports person when I grow up."

 Pihu - "I want to keep myself healthy, fit and strong."

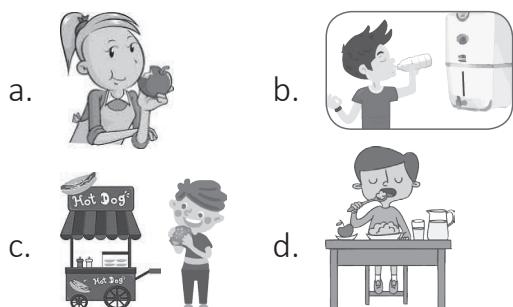
- I. Aryan should eat egg, pulses and yogurt.
- II. Pihu should eat fresh vegetables.
- III. Aryan should eat bread, chapati and rice.

- IV. Pihu should eat fresh fruits.

Choose the correct option based on the above statements.

- a. Statement I is correct
- b. Statement II is correct
- c. Statement IV is correct
- d. I, II, III and IV statements are correct

20. Identify the picture showing an unhealthy food habit.



SECTION - C : BRAINBOX

21. Paresh listed foods-items obtained from plants and animals in column A and B. Choose the correct option to add to column B.

Column A	Column B
1) Pulses	1) Meat
2) Fruits	2) Milk
3) Vegetables	3)

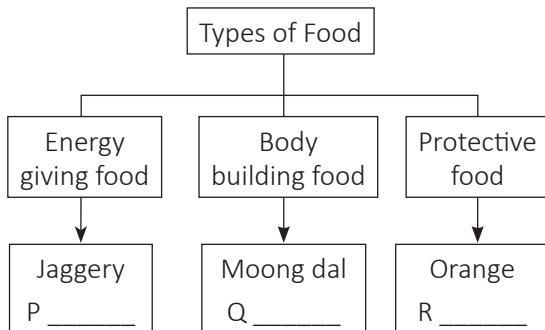
- a. Vegetables
- b. Spices
- c. Ghee
- d. Oils

22. Match the following.

Column I	Column II
P. Cold coffee	i. Spice
Q. Maize	ii. Beverage
R. Cinnamon	iii. Cereals
S. Raisins	iv. Dry fruit

- a. P- ii, Q- iii, R- i, S- iv
- b. P- ii, Q- iii, R- iv, S- i
- c. P- iv, Q- iii, R- i, S- ii
- d. P- iii, Q- ii, R- iv, S- i

23. Study the flowchart and select the correct option to fill in the blank.



- a. P- Bread, Q- Milk, R- Rice
- b. P- Bread, Q- Milk, R- Carrot
- c. P- Butter, Q- Nuts, R- Bread
- d. P- Pulses, Q- Vegetables, R- Chicken

24. Give reason why raw fish is always kept in ice?



- a. Fish frozen in ice can stay unspoiled for longer time.
- b. Fish kept in ice are healthy for our body.
- c. Fish frozen in ice are easy to digest.
- d. Frozen fish are easy to cook.

25. Match Column I with Column II and select the correct option.

	Column I	Column II
p.	Dry fruit	1. Green gram
q.	Pulses	2. Raisin
r.	Beverage	3. Lemonade
s.	Spice	4. Black pepper
		5. Tea
		6. Walnuts

- a. (p)- 6; (q)- 1, 2; (r)- 3, 4; (s)- 5
- b. (p)- 5, 4; (q)- 3, 2; (r)- 1; (s)- 6
- c. (p)- 2, 6; (q)- 1; (r)- 3, 5; (s)- 4
- d. (p)- 6; (q)- 2, 3; (r)- 1; (s)- 5, 4

Darken your choice with HB pencil -

1. (a) (b) (c) (d)
2. (a) (b) (c) (d)
3. (a) (b) (c) (d)
4. (a) (b) (c) (d)
5. (a) (b) (c) (d)
6. (a) (b) (c) (d)
7. (a) (b) (c) (d)

8. (a) (b) (c) (d)
9. (a) (b) (c) (d)
10. (a) (b) (c) (d)
11. (a) (b) (c) (d)
12. (a) (b) (c) (d)
13. (a) (b) (c) (d)
14. (a) (b) (c) (d)

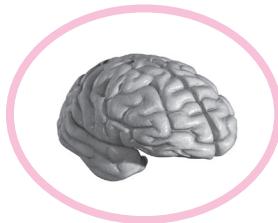
15. (a) (b) (c) (d)
16. (a) (b) (c) (d)
17. (a) (b) (c) (d)
18. (a) (b) (c) (d)
19. (a) (b) (c) (d)
20. (a) (b) (c) (d)
21. (a) (b) (c) (d)

22. (a) (b) (c) (d)
23. (a) (b) (c) (d)
24. (a) (b) (c) (d)
25. (a) (b) (c) (d)

Human Body



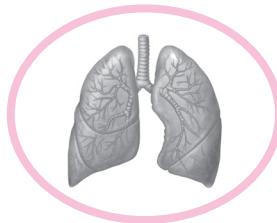
- Our body is a living machine. It has two types of organs, external organs and internal organs.
- The parts of our body that we can see are called external organs like head, arms, legs, eyes, nose and tongue.
- The parts that are inside the body are called internal organs like brain, heart, lungs and stomach.



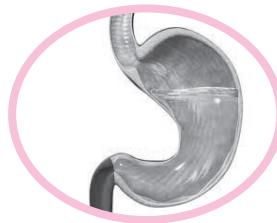
Brain helps us to think and work.



Heart pumps blood to all parts of the body.



Lungs help us to breathe.



Stomach breaks down or digests the food we eat.

Five sense organs

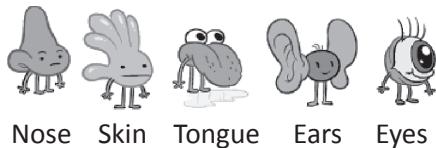
Nose helps us to smell

Skin helps us to feel

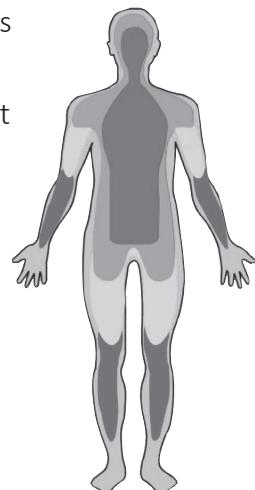
Tongue helps us to taste

Ears helps us to hear

Eyes helps us to see

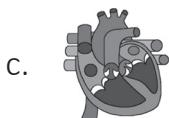


- Our body is made up of bones and muscles.
- Bones give shape and support to our body.
- Muscles help our bones to move.
- Regular exercise makes our muscles strong.
- A correct posture helps us to stay healthy and look smart.



SECTION - A : SCIENTIFIC REASONING

1. Identify the internal organ of a human body.



d. All of these

2. Look at the picture shown below and answer the following question. Name the body organs the boy is using in the given picture?

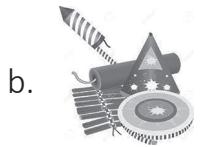
- a. Hands and legs
b. Nose
c. Ear
d. Tongue



3. Tina - "Wow, I love the smell of lily flower". Which sense organs helped Tina to identify the flower?

- a. Nose b. Nose and eyes
c. Ear d. Ear and nose

4. Hearing disability may happen due to which of these if played regularly at an extra volume?



d. All of these

5. Identify the activity for which the sense of sight is least important.



6. Which is the correct posture for reading?



d. None of these

7. In which of the following parts of the body is the brain located?

- a. Chest
b. Legs
c. Head
d. Stomach

8. Select the incorrect statement from the following.

- a. Lungs help us to breathe.
b. Muscles help our bones to move.
c. The correct posture help us to stay healthy.
d. Eyes help us to hear.

9. Which of the following is good for our muscles?

- a. Healthy food and drinks
- b. Regular exercise
- c. The correct posture
- d. All of these

10. Which of the following is correct regarding body posture?

- a. We should not lie down while reading.
- b. We should always sit with our back straight.
- c. We must sit straight while working on computer.
- d. All of these

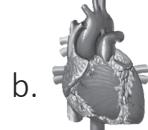
11. Choose the correct option showing the body parts that are in pairs.

- a. Eyes, ears, nose and lungs
- b. Eyes, ears, lungs and heart
- c. Eyes, ears, lungs and hand
- d. Eyes, brain, heart and legs

Direction for Q. No. 12 and 13: Choose the odd one out.



Nose



Heart



Eyes



Tongue



Head



Arms



Legs

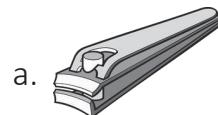


Kidney

14. Each of the given pairs has organs of the same category. Select the incorrect pair.

- a. Heart – Lungs
- b. Nose – Tongue
- c. Eyes – Ears
- d. Brain – Tongue

15. Identify the things required to keep your body clean.



- d. All of these

SECTION - B : EVERYDAY SCIENCE

16. Arrange the internal body organs in the sequence from head to toe.

Heart, Stomach, Lungs, Brain

- a. Heart, Stomach, Lungs, Brain
 - b. Brain, Heart, Lungs, Stomach
 - c. Heart, Lungs, Brain, Stomach
 - d. None of these

17. Observe the picture shown below.



The above figure represents internal organs like.

- a. A- Heart B- Stomach
 - b. A- Brain B- Stomach
 - c. A- Lungs B- Heart
 - d. None of these

18. Sachin is having asthma (breathing disorder).

Which organ of his body is not working properly?

- a. Lungs
 - b. Brain
 - c. Heart
 - d. None of these

19. What do the organs shown in the diagram below have in common?



Lungs

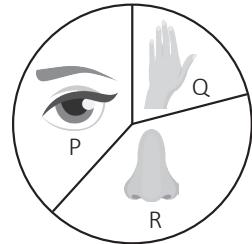
Heart

Brain

- a. All these are internal organs
 - b. We cannot see them
 - c. Both a and b
 - d. None of these

- ## 20. HOT, SOFT, SMOOTH, ROUGH

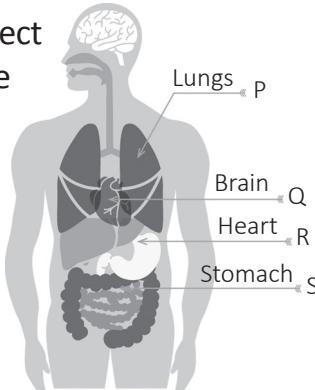
The above words are associated with which of the following sense organs?



- a. P
 - b. R
 - c. Q
 - d. Both R and Q

SECTION - C : BRAINBOX

21. Find the incorrect labelling of the body parts.



- a. P
 - b. Q and R
 - c. S
 - d. Q, R and S

22. Refer to the given word grid. How many internal organs are hidden in it?

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

G	E	H	K	M
L	Y	E	B	S
U	S	A	T	X
N	P	R	A	A
G	R	T	T	B

23. Unscramble the given names of the bones. Match it with its function and find the correct option.

- | Bones | Function |
|----------|-------------------|
| A. KEEN | → Enclose heart |
| B. NICH | → Encloses brain |
| C. SIBR | → Encloses lungs |
| D. KULLS | → Encloses kidney |
| a. A | b. C |
| c. B | d. D |

24. Match the given eatables with their supposed tastes.

	Column I	Column II
P.		i Sweet
Q.		ii Salty
R.		iii Sour
S.		iv Bitter

- a. P- i, Q- ii, R- iii, S- iv
- b. P- ii, Q- i, R- iii, S- iv
- c. P- iii, Q- ii, R- i, S- iv
- d. P- iv, Q- iii, R- i, S- ii

25. Read the given conversation and answer the following question.

Pihu - Shaily your hand is so soft.

Shaily - Thanks, Pihu. I like the fragrance of your perfume.

Bina - Why are both of you making noise?

Tina - Let them talk, we will read this book.

Sense used by which girl will also help her in differentiating a hot drink and a cold drink?

- a. Pihu
- b. Shaily
- c. Bina
- d. Tina

Darken your choice with HB pencil

- | | | | |
|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

Housing and Clothing

A house is a place where we live and feel safe. A house protects us from the Sun, the rain and the wind. We make houses to suit our needs.

Most people live in one place for a long time. They live in permanent houses. Some people keep moving from one place to another. They live in temporary houses. The most common temporary house is a caravan.

Houses are made of different materials like, straw, mud, dry leaves, bamboo, wood, bricks, cement, tiles and stones. Pucca houses are made of bricks and cement. Kutcha houses are made of straw, mud, dry leaves, etc.

Roofs of houses can be flat or sloping. In places which have heavy rainfall, people make houses with sloping roofs. A house may have different rooms for different purposes like kitchen for cooking, bedrooms to relax and sleep, etc.



Permanent House



Temporary House



- Clothes protect us from heat, cold, rain and wind.
- Clothes are made of fabric that are made from fibres like cotton, wool etc.

We need warm clothes in winter. Woollen clothes keep us warm.



We wear cotton clothes in summer. Cotton is light and saves us from heat.



SECTION - A : SCIENTIFIC REASONING

1. A house protects us from _____.
 - a. heat and cold
 - b. thief
 - c. rain
 - d. All of these

2. Houses with roofs, such as shown in the picture, can be found in



- a. Plains
 - b. Hilly areas
 - c. Deserts
 - d. Both b and c

3. Why do people put wiremesh on their doors and windows?

- a. It keeps the house warm.
 - b. It keeps the house safe from mosquitoes and flies.
 - c. It allows sunlight and air to enter the house.
 - d. Both b and c

4. Identify the house that is expensive to build.

- a. 
 - b. 
 - c. 
 - d. None of these

5. We get _____ fibre from the plant shown here.

- a. silk
 - b. cotton
 - c. jute
 - d. nylon



6. _____ method is used to make clothes from wool fibre.

- a. Spinning
 - b. Knitting
 - c. Weaving
 - d. All of these

7. "I am an amazing house made of ice. I am found in very cold places."

Guess my name.

- a. Caravan
 - b. Igloo
 - c. Tent
 - d. Hut

8. Observe the following pictures and answer the questions.



Which of the following statement is correct about the above shown pictures?

- a. P and Q are temporary houses.
 - b. R is kutcha house.
 - c. S is found in lakes, rivers and seas.
 - d. All of these

9. The things shown in the given figure can be found in which of these rooms in a house?

- a. Living Room
- b. Bedroom
- c. Kitchen
- d. Bathroom



10. The picture shown in Box - Z is of _____ of the house.

- a. Living room
- b. Dining room
- c. Bedroom
- d. Bathroom



11. In which room of the house the following things can be found?



Soap



Bucket



Shampoo



Toothbrush

- a. Kitchen
- b. Dining room
- c. Bedroom
- d. Bathroom

12. What will you call a cloth made from hand spun and yarn?

- a. Cotton clothes
- b. Khadi clothes
- c. Woollen clothes
- d. None of these



13. 'Oh, mom! I am so tired, I'm going to my room to sleep.' said Rita to her mother. Which room is she referring to?

- a. Study room
- b. Bathroom
- c. Bedroom
- d. Kitchen

14. Which type of house is made of cloth?

- a. Houseboat
- b. Igloo
- c. Stilt house
- d. Tent

15. What do we do in our dinning room?

- a. Eat
- b. Play
- c. Read
- d. Sleep

SECTION - B : EVERYDAY SCIENCE

16. Sumita found some insects on her clothes kept in almirah since six months. What should she do to keep insects away from the clothes?

- a. Keep naphthalene balls with clothes.
- b. Keep dried neem leaves with clothes.

- c. Keep food items with clothes.
- d. Both a and b

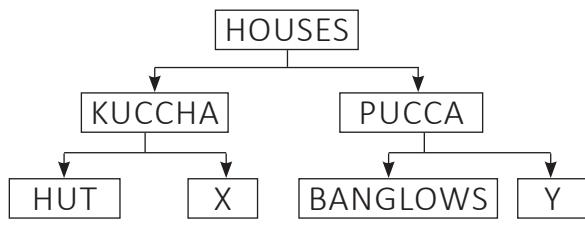
17. Raj - "Woollen clothes absorb more water. It also absorbs sweat from our body."



Joei - "Woollen clothes keep us warm."

Choose a suitable statement related to the conversation.

- a. Joei gave correct statement about woollen clothes.
 - b. Raj gave correct explanation of Joei's statement.
 - c. Raj gave incorrect explanation of Joei's statement.
 - d. Both a and b
18. Study the flowchart below and identify X and Y.



- a. X – Igloo Y – Caravan
- b. X – Slit house Y – Apartments
- c. X – House boat Y – Igloo
- d. None of these

19. Ajay's house is built on wooden logs and has sloping roofs. He most probably be residing in a place where

- I. Flood is common
 - 2. Heavy rainfall occurs
 - 3. Tornadoes
 - 4. Earthquakes are common
- a. 1 and 4 b. 1 and 2
 - c. 2 and 3 d. 3 and 4

20. Amrita finds a piece of cloth whose characteristics are as follows:

- I. It entraps air.
- II. Burns with the smell of burning hair.

This shows that the piece of cloth is made up of _____.

- a. synthetic fibre
- b. jute fibre
- c. cotton fibre
- d. woollen fibre

SECTION - C : BRAINBOX

21. Which of the following is suitable in rains?

- a. T-shirt
- b. Rain coat
- c. Woollen clothes
- d. Canvas shoes

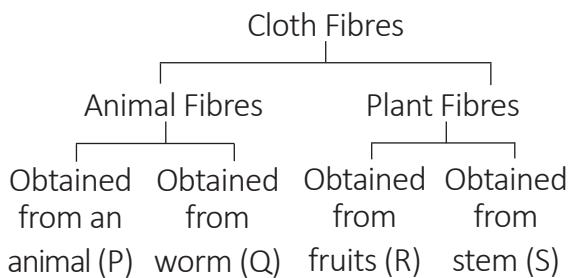
22. 'I am a natural fibre used to make the object shown in the diagram below. I am pale brown in colour and quite sturdy. Who am I?'

- a. Silk
- b. Jute
- c. Cotton
- d. Wool



Rope

23. Study the classification chart and fill in the blanks.



- P- wool, Q- silk, R- cotton, S- jute
- P- silk, Q- wool, R- cotton, S- jute
- P- wool, Q- silk, R- jute, S- cotton
- P- silk, Q- wool, R- nylon, S- cotton

24. Study the weather forecast shown below and answer the following question.

1st June 20XX



2nd June 20XX



3rd June 20XX



4th June 20XX



Which of the following should be worn on 1st June 20XX (P) and on 2nd June 20XX (Q)?

P	Q
a. T. shirt	Woollen socks
b. T. shirt	Rain coat
c. Sweater	Silk scarf
d. Leather jacket	Boots

25. Different kinds of houses are hidden in the following grid. Identify how many of them are there.

H	O	U	S	E	B	O	A	T
U	I	X	S	N	M	R	V	E
T	S	C	A	R	A	V	A	N
Z	T	W	U	Q	R	I	S	T
I	G	L	O	O	V	R	M	I

- 4
- 1
- 2
- 5

Darken your choice with HB pencil

- a b c d
- a b c d
- a b c d
- a b c d
- a b c d
- a b c d
- a b c d

- a b c d
- a b c d
- a b c d
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- a b c d
- a b c d

Water, Air, Weather and Season

- Air is all around us. Living things need air to breathe.
- Air contains water vapour, smoke, dust and germs. Excess of smoke, dust and germs makes air impure. Breathing impure air can make us sick.
- Moving air is called wind. Gently moving wind is called breeze and strong and damaging wind is called storm.
- Our earth is surrounded by a layer of air called atmosphere. Sometimes air becomes hot and sometimes it becomes cold. This change in temperature of air is known as weather.
- When weather remains same for few months, it is known as season.



- Living things need water.
- Water comes from rain and melting of snow on mountains. Rain water fills up rivers, etc. Some of it goes deep into the soil (groundwater).
- Washing and bathing in rivers, throwing waste in it, makes the water dirty. Drinking dirty water can make us ill.



- The Earth is made up of hard substances called rock. Rocks are found under the soil, in rivers and seas.
- Rocks are of many kinds. They may be hard (granite, sand stone, etc. or soft (coal and chalk).
- Rocks are made up of two or more minerals like mica, quartz, talc etc. Diamond is the hardest mineral. Talc is the softest mineral.



SECTION - A : SCIENTIFIC REASONING

1. Select the odd one out.



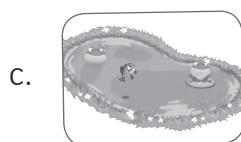
a.

Well



b.

Tube well



c.

Pond



d.

Hand pump

2. The picture below shows that _____.



a. air has force

b. air has weight

c. air occupies space

d. None of these

3. We wear clothes according to _____.

a. Weather b. Seasons

c. Days d. Months

4. Which one of the following is the hottest time of the day?

a. Noon b. Evening

c. Morning d. Night

5. The instrument used to measure wind direction is called _____.

a. wind speedometer

b. anemometer

c. wind odometer

d. wind vane

6. Mrs. Malhotra reuses water, which is used to wash fruits, to water her kitchen garden's plants. Here she is practicing _____ of water.

a. wastage

b. conservation

c. pollution

d. evaporation

7. We eat ice cream during _____.

a. summer

b. winter

c. rainy season

d. none of these

8. I arrive before the winter season. Trees shed their leaves in my season. Guess who am I ?

a. Autumn season

b. Spring season

c. Rainy season

d. None of these

9. How many seasons are there in India?

a. 2

b. 5

c. 4

d. 3

10. Which of the following is incorrect?

- a. Water is used for washing.
- b. Water is used for cleaning.
- c. Water is used for transportation.
- d. Water is used for sleeping.

11. Look at the pictures below. Identify the things associated with it.



- a.
- b.
- c.
- d. All of these

12. We can get ground water from ____.

- a. hand pump, wells and tube wells
- b. wells, ocean and sea
- c. river, lake and ponds
- d. none of these

13. With which season is the given picture related to?

- a. Summer
- b. Winter
- c. Autumn
- d. Rainy



14. Which of the following statement is correct for storm?

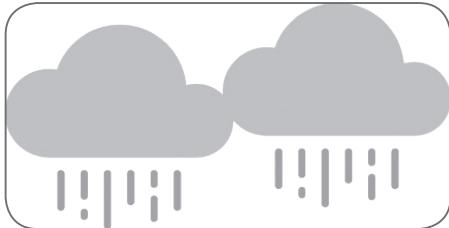
- a. Gently moving air
- b. Strong wind
- c. Damaging wind
- d. Both b and c

15. Identify the liquid state of water.

- a.
- b.
- c.
- d. Both b and c

SECTION - B : EVERYDAY SCIENCE

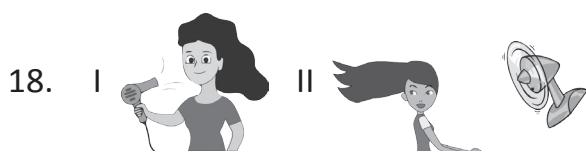
16. Water drops fall from the sky as rain. Where does all this rainwater go?



- I. It is absorbed into the soil.
 - II. It is absorbed by the plants.
 - III. It is collected into the rivers and oceans.
 - IV. It is collected into the ponds and reservoirs.
- a. I and II b. II and III
 - c. I, II and III d. I, II, III and IV

17. Which of the following will float on water?

- I. A plastic bottle
 - II. A shuttle cork
 - III. A stone
- a. I and II will float in water
 - b. II and III will float in water
 - c. I, II and III will float in water
 - d. III will float in water



In above shown pictures I and II both girls are drying their hair. Which one of them will be able to dry her hair faster?

- a. I. Will dry her hair faster
- b. II. Will dry her hair faster

c. Both I and II will dry their hair in equal time

d. None of the above

19. When we put an empty glass in a tilted way in water, bubbles come out of the glass. This shows that _____.

- a. The empty glass is filled with air.
- b. Air comes out of the water in the form of bubbles.
- c. Water displaces air in the glass.
- d. Both a and c

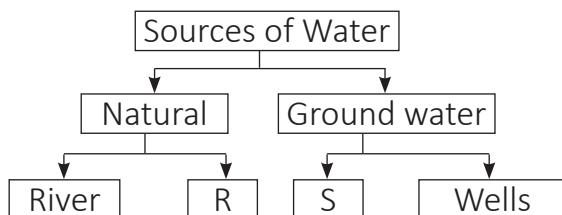
20. Look at the picture. Which of the following does the dirty air contains?



- a. Dust
- b. Harmful gases
- c. Smoke
- d. None of these

SECTION - C : BRAINBOX

21. Study the flow chart below. Identify R and S.



- a. R – Sea, S – Hand pump
- b. R – Tube well, S – Sea
- c. R – Hand pump, S – Tube well
- d. R – Lakes, S – Ponds

22. Unscramble the word showing name of gases present in the air.

I. X Y O E G N

II. C B N A R O O I X E D I D

Now choose the correct option representing I and II.

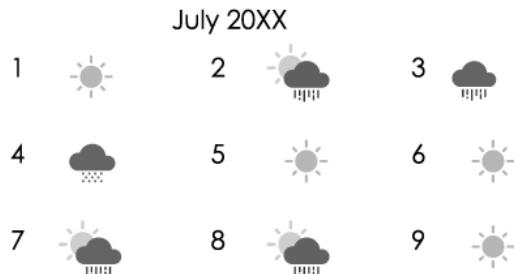
- a. I- Oxygen, II- Carbon dioxide
- b. I- Nitrogen, II- Carbon dioxide
- c. I- Oxygen, II- Helium
- d. None of these

23. Identify three things related with rainy season from the grid below.

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

- a. Umbrella, Paperboat, Raincoat
- b. Samosa, Pakoda, Umbrella
- c. Raincoat, Paper boat, Samosa
- d. Rainboat, Umbrella, Boat

24. Observe the below shown weather calendar and choose the correct option as per this weather calendar.



- a. On 5th July 20XX there will be sunny day.
- b. On 2nd July 20XX there will be sunny day.
- c. On 6th July 20XX there will be cloudy day.
- d. All the statements are correct.

25. Complete the following paragraph by choosing the correct sequence of words.

Water is a precious _____ resource. _____ water is called conservation of water. _____ of water will cause water scarcity. We need to conserve water as we have very little amount of usable _____ left.

- a. natural, saving, misuse, water
- b. manmade, wasting, misuse, water
- c. natural, wasting, misuse, air
- d. manmade, saving, misuse, water

Darken your choice with HB pencil

- | | | | |
|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

Chapter 7

Family and Festivals



I live in a nuclear family with my mother, father and my younger sister.



My friend Ajay lives only with his mother. He lives in a single-parent family.



Celebrating festivals with our family members is great fun. We all get together to celebrate the festivals.

Gurpurab : Gurpurab is celebrated by the Sikhs. They celebrate gurpurab on the birthdays and martyrs of their Gurus. They go to Gurudwaras to pray. 'Langar' a community meal is served there.

Christmas : Christmas is celebrated on 25th December every year. It is the birthday of Lord Jesus Christ. Christmas tree is decorated with sweets and toys. The children wait for Santa Claus.

Holi: Holi is a festival of colours. People put gulal and throw coloured water on one another.

Diwali : Diwali is a festival of lights. People decorate their houses with oil lamps, candles or bulbs. Children enjoy fireworks and crackers. People worship Goddess Lakshmi at night.

Eid : Eid is celebrated by Muslims. They go to the mosques to offer prayer, called namaz. They wish Eid Mubarak to all. They offer meethi sewaiyan to guests and friends.

National Festivals

India won freedom on 15th August 1947. Independence day is celebrated on 15th August every year. The prime minister hoists the National flag at Red Fort in Delhi and gives speech.

On 26th January 1950, our country became a republic. Republic Day is celebrated on 26th January every year. The armed forces, folk dancers and school children in colourful dresses take part in a parade at Rajpath in New Delhi.

I live in a joint family. My grandparents, parents, siblings (brother and sister), uncles, aunts and cousins all live together in the same house.



- Members of a family have a common name. This is their surname.
- Members of a family resemble each other and may have similar habits too.
- On special occasions and festivals, we meet other members of our extended family.
- Traditions and customs are passed on from one generation to another.
- We play many indoor and outdoor games like cartoon, ludo, football, etc. with family and friends.

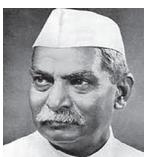
SECTION - A : SCIENTIFIC REASONING

1. All member of a family share common name that is _____.
a. surname
b. pet name
c. first name
d. nick name
2. Aman is brother of Jiya and father of Mayur. What will Mayur call Jiya?
a. Mother b. Sister
c. Sister in law d. Aunt
3. Megha and Heena are non-siblings who have common great grandparents but no common grandparents. They are:
a. first cousin
b. second cousin
c. steps cousin
d. none of these
4. Molly is engaged to Raj. Molly is _____ of Raj.
a. spouse b. wife
c. fiancé d. cousin
5. Which option shows all the games that you can play with your family in the house?
a. Ludo, Chess, Carrom
b. Carrom, Cycling, Cricket
c. Table Tennis, Ludo, Football
d. Carrom, Cricket, Chess
6. Which occasion is being celebrated by the children in the picture?
- 
- a. Wedding
b. House warming
c. Birthday celebration
d. Anniversary celebration

Direction for Q. No. 7 and 8:
Select the odd one out.

7. a. Cricket b. Football
c. Carrom d. Basketball
8. a. Independence day
b. Republic day
c. Diwali
d. Gandhi jayanti
9. Which of the following contributions can we make as a helping hand in the family?
a. Watering the plants
b. Laying table for a meal
c. Folding laundry
d. All of these
10. Whose birthday is celebrated as teacher's day?
a. Lala Lajpat Ray
b. Dr. Rajendra Prasad
c. Chacha Nehru
d. Dr. Sarvapalli Radhakrishnan

11. Identify the picture of the person whose samadhi is at Rajghat ?

- a. 
- b. 
- c. 
- d. 

12. _____ was the first guru of the Sikhs.

- a. Guru Nanak
- b. Guru Gobind
- c. Guru Teg Bahadur
- d. None of these

13. Identify the people with whom you celebrate your birthday.

- a. Friends and family
- b. Strangers
- c. Neighbours
- d. Both a and c

14. 'X' lives only with his mother. His family is called as _____.

- a. nuclear family
- b. joint family
- c. single-parent family
- d. all of these

15. People from different religions greet each other using different words. Identify the incorrect word used to greet someone when we meet them?

- a. Namaste
- b. Satsriakal
- c. Goodbye
- d. Adaab

SECTION - B : EVERYDAY SCIENCE

16. The picture shows a festival in which people decorate their houses with oil lamp, candles or bulb. What is true about this festival?



- a. People worship goddess Lakshmi at night.
- b. People attend wedding in family.
- c. Children wait for Santa Claus.
- d. People play with gulal and coloured water.

17. Identify the festival being celebrated in the given picture and choose the correct option showing how people celebrate this festival?



- a. They decorate Christmas tree.
- b. They light candles in Church.
- c. They serve langer in the community.
- d. Both a and b

18. Match column I and column II.

Select the correct options.

Column I	Column II
1) S. Radhakrishnan	p) Children's day
2) Pt. Nehru	q) Buddha Purnima
3) Jesus Christ	r) Teacher's day
4) Gautama Buddha	s) Christmas

- a. 1- s, 2- p, 3- q, 4- r
- b. 1- r, 2- p, 3- s, 4- q
- c. 1- p, 2- q, 3- r, 4- s
- d. 1- s, 2- r, 3- q, 4- p

19. Which of the following are true about Republic Day?

- a. It is celebrated on 26th January every year.

- b. Republic Day Parade is held at Rajpath in New Delhi.
- c. Prime Minister addresses the nation from Red fort.
- d. Both a and b

20. The effigies of two persons are burnt every year along with Ravana on Dussehra. Who are those two persons and what is their relation with Ravana?

- a. Vibhishan and Kumbhkaran- siblings
- b. Kumbhkaran- brother, Meghnath- son
- c. Meghnath- brother, Kumbhkaran- son
- d. Kumbhkaran and Meghnath - both brothers

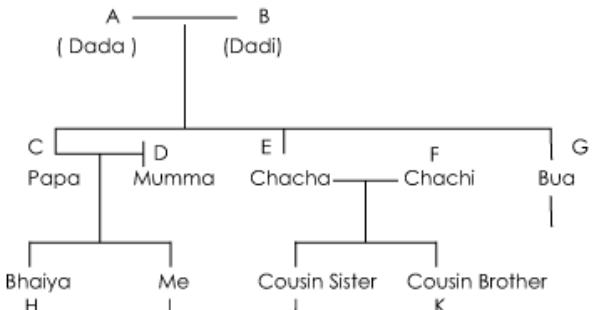
SECTION - C : BRAINBOX

21. Match the columns and select the correct options.

Column - I	Column - II
I. Republic day	P. Serve langer in the community.
II. Independence day	Q. Celebrated on 26th Jan.
III. Dusshera	R. Effigies burnt.
IV. Gurupurb	S. Celebrated on 15th Aug.

- a. I- Q, II- S, III- R, IV- P
- b. I- Q, II- R, III- S, IV- P
- c. I- R, II- P, III- Q, IV- S
- d. I- P, II- Q, III- R, IV- S

22. Read the below shown family chart and answer the following questions.



Which of the following will be called as second generation?

- a. A and B
- b. C and D
- c. E, F and G
- d. C, E and G

23. Refer to the given conversation and find out the friend, who is not correct.

- a. Rahul – Rakhi is my Uncle. She is my mother's sister.
- b. Rekha – Rishi is my nephew. He is my brother's son.
- c. Anita – My great Aunt is coming today. She is my grandmother's sister.

d. Abhay – My Uncle has two sons. They are only cousins I have.

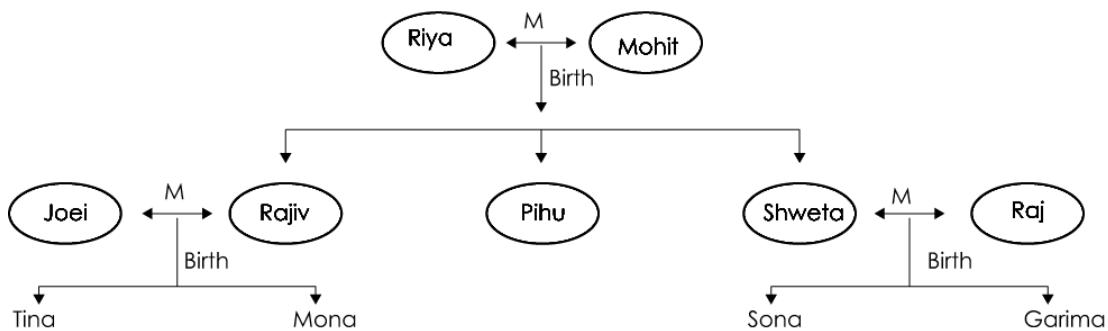
24. The following grid has names of some festivals hidden in it. Find out how many names are there?

- a. 1
- b. 5
- c. 4
- d. 2

X	U	V	S	T	E
D	I	W	A	L	I
M	B	A	E	R	D
Z	V	U	I	O	S

25. Study the below shown family tree and answer the following question.

Which of the following options are correct?



- a. Rajiv is the son of Riya and Mohit.
- b. Rajiv, Pihu and Shweta are siblings.
- c. Pihu is Garima's aunt.
- d. All of these

Darken your choice with HB pencil

- | | | | |
|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
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| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
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| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

Occupations and Surroundings

Occupation is the job that a person does. Everyone has to work to earn money. That work becomes his job.
People have different occupations.



An engineer designs and repairs machines, roads, etc.



A policeman maintains law and order.



A doctor treats the patients. A doctor uses stethoscope to listen to the heartbeat of patients.



A nurse takes care of the sick people.



A banker is the one who conducts the business of banking.



A farmer grows crops, fruits and vegetables for us. Some tools used by a farmer are shovel, spade, sickle and tractor.



A blacksmith makes and repairs things made of iron.



A tailor stitches our clothes. The tailor uses threads, needles, scissors and sewing machines to stitch clothes.



A plumber fits and repairs water pipes.



A grocer sells food items and other things that are used at home.

SECTION - A : SCIENTIFIC REASONING

1. Who is a black smith?
- One who repair black shoes
 - One who makes and repairs things made of iron
 - One who fits and repairs water pipes
 - None of these

2. 'I make gold articles.' I am a ____.
- cobbler
 - mason
 - goldsmith
 - iron smith

3. Select the odd one out.
- Architect
 - Mason
 - Plumber
 - Doctor

4. We can get the following items from:



Pills



Thermometer



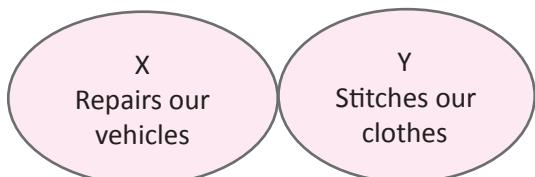
Bandaids



Syringe

- Grocer
- Stationer
- Chemist
- Baker

5. In the following, what does X and Y stand for?



- X- Blacksmith Y- Tailor
- X- Mechanic Y- Tailor
- X- Potter Y- Plumber
- X- Tailor Y- Mechanic

6. We call _____ from _____ to put out the fire.

- cobbler, fire station
- policeman, police station
- fireman, fire station
- doctor, hospital

7. The man in the picture is a/an ____.

- fire-man
- baker
- astronaut
- pilot



8. Identify the place where we can buy following items.



Pens



Pencils



Books



Notebooks



Glue stick

- Railway station
- Stationery shop
- Bank
- Police station

9. An electrician fits _____.
 a. wires b. switches
 c. bulbs and fans d. all of these
10. Which one of these does not fit in with the others.



a. Nurse



b. Doctor



c. Astronaut



d. Surgeon

11. Identify the incorrect match.



a. Cobbler



b. Postman



c. Engineer



d. Sea-diver

12. Your car is loaded with fuel but not moving. In this situation you will call a _____.
 a. mechanic b. cobbler
 c. astronaut d. fire-man

Direction for Q. No. 13 and 14:
“Who am I ?”

13. I wear a white coat while moving around at my work place. I treat sick and injured people.
 a. Doctor b. Pilot
 c. Astronaut d. Teacher

14. I bake delicious cookies, breads and cakes. You come to my shop on each of your birthday.
 a. Chef b. Pilot
 c. Doctor d. Baker

15. Select the incorrect match showing tools of various professionals.

- | | | |
|-------------|---|----------------|
| a. Barber | — | Sewing machine |
| b. Gardener | — | Spade |
| c. Doctor | — | Syringe |
| d. Musician | — | Guitar |

SECTION - B : EVERYDAY SCIENCE

16. Observe the picture and choose the correct option about it.



- a. We can get silk clothes from here.
 b. We can get medicines from here.

- c. We can get cotton, bandages and syringes from here.
 d. Both b and c

17. Riya is very sad. Someone has stolen her mobile phone. Tina takes her to police station to complain.
 Why do you think Tina did so?

- a. Because police man will help Riya in getting her lost phone.
- b. To launch a complaint for the lost mobile phone.
- c. Policeman will gift a new mobile phone to Riya.
- d. Both a and b
18. Read the following conversation of four children.

Preeti: The electrician fits wires and bulbs.

Riya: The pilot serves passengers in an aeroplane.

Priya: The mechanic repairs our vehicles.

Tanu: The driver drives our vehicles.

Which child/children made an incorrect statement?

- a. Riya and Priya b. Preeti and Priya
c. Only Riya d. Only Tanu

19. Suppose you have to get new wooden cupboards and new taps installed in your house. Whom will you reach out to?

Select the correct option.

- a. Mason and architect
b. Carpenter and plumber
c. Electrician and plumber
d. Plumber and carpenter

20. Ritu listed professionals with their tools in column A and column B. Which of the following can be added to column B?

Column A	Column B
1) Doctor	1) Stethoscope
2) Tailor	2) Sewing machine
3) Baker	3) _____

- a. Barber b. Oven
c. Guitar d. Tool box

SECTION - C : BRAINBOX

21. Unscramble the below shown words to find out the correct occupation of the man shown in the figure.

- a. Bbraer
b. Aitiro
c. Polit
d. Greadenr



22. Fill up the missing alphabets to find out the correct occupation of the lady shown in the figure.

_____ U _____ S _____

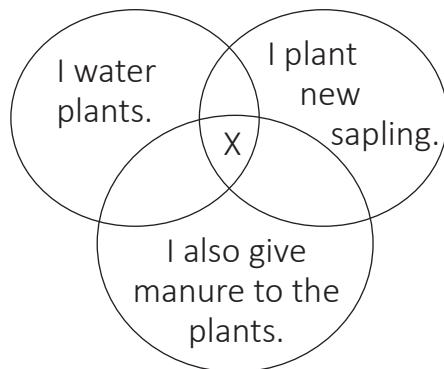
- a. A C B b. P T U
c. N R E d. D I M

23. How many names of professionals are hidden in the grid below?

- a. Two
- b. Five
- c. Three
- d. Six

F	V	X	U	W	B	I
A	U	I	O	S	A	R
R	Y	S	T	U	R	T
M	A	S	O	N	B	O
E	Z	M	B	K	E	S
R	I	S	H	O	R	T

24. Study the diagram below and choose the correct option for X.



X is a _____

- a. tailor
- b. cobbler
- c. gardener
- d. postman

25. Select the incorrect match.

Column I	Column II
P. Nurse	i. Makes clay pots for us.
Q. Tailor	ii. Brings letters and parcels.
R. Postman	iii. Take care of sick people.
S. Potter	iv. Stitches our clothes.

- a. P- iii, Q- iv, R- ii, S- i
- b. P- ii, Q- iii, R- iv, S- i
- c. P- i, Q- ii, R- iii, S- iv
- d. P- iv, Q- iii, R- ii, S- i

Darken your choice with HB pencil

1. a b c d
2. a b c d
3. a b c d
4. a b c d
5. a b c d
6. a b c d
7. a b c d

8. a b c d
9. a b c d
10. a b c d
11. a b c d
12. a b c d
13. a b c d
14. a b c d

15. a b c d
16. a b c d
17. a b c d
18. a b c d
19. a b c d
20. a b c d
21. a b c d

22. a b c d
23. a b c d
24. a b c d
25. a b c d

Good Habits and Safety Rules

Good habits to follow

- Don't bite nails.
- Don't eat fallen food.
- Don't spit on road.
- Cover your mouth and nose while sneezing, coughing or yawning.
- Throw garbage in dustbin.
- Wash hands with soap after going to the toilet.



Red (Stop)

Yellow (Wait)

Green (Go)

Other safety rules

- Always swim in the presence of an adult.
- During festival, light candle with the help of adults.
- Don't play with crackers.

If someone gets hurt give immediate help to him.

This is called 'First Aid'.

On Road :

- Always walk on footpath.
- While walking, use zebra crossing to cross the road.
- Do not run or play near the road.
- Obey the traffic lights.

At School:

- Never run around benches and don't climb on them.
- Don't run down or up the stairs.

At Home:

- Don't touch or play with electric wires or plug points, sharp objects like scissors, knives and blades.
- Don't play with fire.

In Playground:

- Never push your friends while playing.
- Follow the rules of games while playing.



SECTION - A : SCIENTIFIC REASONING

1. The immediate help given to a person when he's hurt is called ____.
 - a. medical treatment
 - b. second aid
 - c. first aid
 - d. intensive care

2. Which of the following should a first aid box have?
 - a. Cotton b. Antiseptic liquid
 - c. Scissors d. All of these

3. _____ is the safest way of crossing a road.
 - a. Zebra crossing b. Footpath
 - c. Highway d. None of these

4. Which among these children may get hurt?
 - a. A boy playing with knife.
 - b. A girl playing on broken swing.
 - c. A girl swimming without rubber tube.
 - d. All of them

5. Which of the following statement is correct?
 - a. It is safe to climb onto refrigerator.
 - b. It is safe to play with fire.
 - c. Never run down or up the stairs.
 - d. Once you are in the boat, you can jump around.

6. Which of the following is not necessary?
Wash your hands:
 - a. Before eating
 - b. After eating
 - c. Before going to toilet
 - d. After coming from toilet

7. The best way of taking rest is sleeping. How many hours should we sleep every day?
 - a. 4-5 hours b. 8-9 hours
 - c. 12 hours d. 2-3 hours

8. It is not a good habit to:
 - a. Keep your toys at their correct places.
 - b. Throw waste into the dustbin.
 - c. Keep food covered.
 - d. None of these

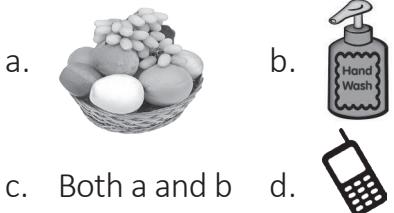
9. Riya eats food without chewing it properly.
 - I. This is a bad habit
 - II. This is a good habit
 - III. This is a bad habit because it is not good for health
 - IV. This is an unhealthy habit

Choose the correct option based on your reading of above statements.

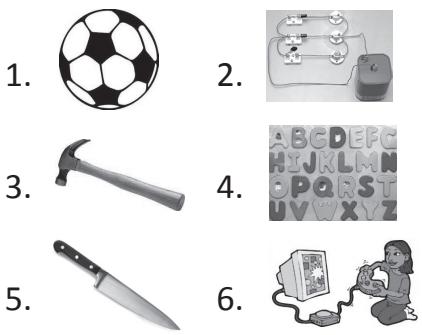
 - a. I and II are correct.
 - b. III and IV are correct.
 - c. I, III and IV are correct.
 - d. I,II,III and IV are correct.

10. Riya goes to the school on bicycle. Which of the safety rules should she follow?

- a. She should ride in the fast lane among the trucks and cars.
b. She should keep to her left.
c. She should keep to her right.
d. All of these
11. Identify the things that help us to keep ourselves healthy.

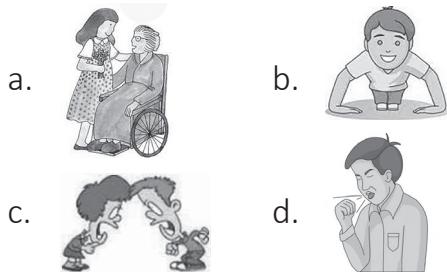


12. Choose the items which can be used to play.



- a. 1, 4 and 6 b. 2, 3 and 5
c. 1, 2, 3 and 5 d. 1, 2, 4 and 6

13. Which of the following pictures, does not show a good habit?



14. Which of the following is incorrect?
- a. We should chew our food slowly.
b. We should stuff our mouth while eating.
c. We should avoid talking while eating.
d. We should chew with our mouth closed.

15. Which of the following does the right thing?

- a. Ajay always puts his shoes back in the shoe rack.
b. Sahil sneezes and wipes his nose with the curtain.
c. Tarun always throws the waste in the dustbin.
d. Both Ajay and Tarun

SECTION - B : EVERYDAY SCIENCE

16. Look at the picture shown below and choose the most suitable option.



- I. Here, some students are not following the safety rules.
II. Only one student is following a good habit and safety rules.
III. Boys are running in the classroom, which is not safe.
- a. I and II b. I, II and III
c. II and III d. None of these

17. Read the safety rules written below.

When You swim

- I. Do not play rough games in the pool.
- II. Always use a rubber tube while swimming.
- III. Always swim in the deep end.
- IV. Avoid swimming with a grown up near you.

Which of the safety rules written on the board is/are incorrect?

- a. I and II b. III and IV
c. I only d. II and III

18. Which of the following child / children are least likely to get hurt?

- a. A child swimming without a tube.



- b. Children standing in a queue to board the bus.



- c. Children using zebra crossing to cross the road.

- d. Both b and c



19. Savi and Neha were playing on the swings. Neha fell down and fainted. What do you think is the right thing for Savi to do?

- a. Leave Neha there and run away
- b. Pour hot water over Neha's head
- c. Call an adult immediately
- d. Both a and b

20. Refer the conversation amongst four friends. Identify the one giving an incorrect statement.

- a. Varun – We should wash hands only after meals.
- b. Jai – I trim my nails regularly.
- c. Nita – My mother tells me to cover my mouth while coughing.
- d. Riya – One should never spit on the road.

SECTION - C : BRAINBOX

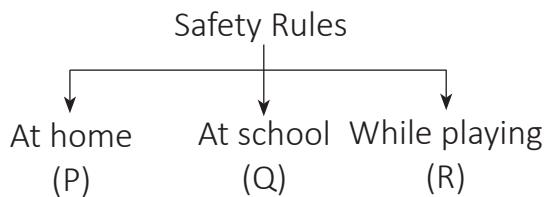
21. Siya made a list of safety rules to be followed during various activities. Identify one of the options which has been wrongly listed.

Activity	Safety Rules
a. Walking	use the footpath
b. Swimming	use a rubber tube
c. Playing	be in a park
d. Travelling	keep changing your seat

22. Match the following and choose the correct option.

Column I	Column II
P. Keep sitting	(i) Crossing road
Q. Use a rubber tube	(ii) Playing
R. Use a park	(iii) Swimming
S. Use the zebra crossing	(iv) Travelling

- a. P- iv, Q- iii, R- ii, S- i
 b. P- iii, Q- iv, R- i, S- ii
 c. P- ii, Q- iii, R- iv, S- i
 d. P- i, Q- ii, R- iii, S- iv
- 23. Study the chart given below and select the correct option.**



- a. P- Do not play with fire
 b. Q- Stand in queue and do not hit or hurt your friends
 c. R- Do not play on roads
 d. All of these

- 24. Select out a bad habit from the following.**

- a. We should always chew food slowly.
 b. We should not eat from outside vendors regularly.
 c. We should get in or get out of a moving bus.
 d. We should wash hands properly before and after eating.

- 25. Each sport has been paired with a safety rule. Choose the correct pair.**

- a. Cricket – Water tube
 b. Swimming – Loose clothes
 c. Hurdle race – Gloves
 d. Cycling – Helmet

Darken your choice with HB pencil

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Transportation and Communication

Transportation is the movement of people, animals and things from one place to another.

The different ways we use to move people or things are called modes of transport.

1



Land transport: Bicycle, cycle-rickshaws (run by man power) bullock, carts, tongas (run by animals) car, bus, truck etc. (run by petrol or diesel or gas engines) trains (run by steam or diesel or electric engines) are used for it.

Means of transport

2

Air transport : it is the fastest means of transport.

Aeroplanes, helicopters, jet planes etc. are used for it.

3

Water transport: Boats, ships, sailboats, steamers, submarines etc, are used for it.

These carry people and goods across rivers and seas.



Communication means to speak, write or use signs and sounds to share ideas and information with each other.

Means of mass communication:

Newspaper, magazines, radio, television and internet are its examples.

People who cannot speak or hear, communicate through sign language.

Means of communication

Modern means of communication:

Telephone, mobile/cellular phone, e-mail, fax, etc. are its examples.

These are the fastest means of communication.

Postal communication : Postcards, aerogrammes inland letters, and letters in stamped envelopes are means of postal communication.



- A direction is a way in which a person or a thing moves.
- Map is a diagram or a drawing of a particular area or place on a paper.
- Road signs give information or instruction to road users.
- Road signs, maps and directions help us to locate things.

SECTION - A : SCIENTIFIC REASONING

1. Select the odd one out.

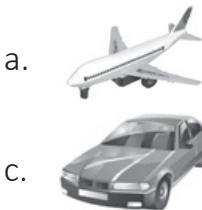


2. The road sign shown here means that a/an _____ is nearby.

- a. hospital
- b. school
- c. bus stop
- d. airport



3. Identify the fastest means of transport among the following.



4. Identify the fastest and most expensive means of transport among the following.

- a. Train
- b. Auto rickshaw
- c. Aeroplane
- d. Ship

5. Which of the following group represents water transport?

- a. Car, bicycle and bus
- b. Aeroplane, helicopter and jet plane
- c. Train, truck and tongas
- d. Boats, ships and steamers

6. Which of the following are run by man power?

- a. Bus and train
- b. Bicycle and rickshaw
- c. Bullock cart and horse cart
- d. None of these

7. Sunita made four groups each with two means of transport with some similarity. But she made one mistake. Select the incorrect group.

- a. Jet plane, Helicopter
- b. Sailboat, Yacht
- c. Car, Hot air balloon
- d. Rickshaw, Bicycle

8. In which of the following means of communication can you find a digital transmission of the message?

- a. Letter
- b. Fax
- c. E-mail
- d. Both b and c

9. Which of the following is a means of mass communication?

- a. Newspaper
- b. Magazines
- c. Television
- d. All of these

10. Riya's sister Tiya cannot speak or hear. Tiya can communicate through _____.

- a. a telephone
- b. a television
- c. sign language
- d. none of these

11. Select the odd one among the following.

- a. Car, cruise, motorcycle
- b. Boats, ships, bicycle

- c. Newspaper, magazines, radio
d. Aeroplanes, helicopters, jet planes
12. What is the full form of PIN code?
a. Permanent index number
b. Permanent index newspaper
c. Postal index number
d. Postal index newspaper

13. Identify the modern means of communication.

- a.  b. 
c.  d. Both a and b

14. Riya has to travel from Delhi to Mumbai. Which of the following transport can she use?

- a.  b. 
c.  d. Both a and b

15. Refer the given pictures. Select the option which means 'Airport' nearby.

- a.  b. 
c.  d. 

SECTION - B : EVERYDAY SCIENCE

16. In the picture given below the traffic police man is signalling to stop vehicle approaching from _____.
a. behind
b. front
c. left side and right side
d. both a and b



17. Which of the following is incorrect about airplanes?
a. It is the fastest mode of transport.
b. It is the most expensive mode of transport.
c. The airplanes run on steam engines.
d. None of these

18. Select the mode of transport same as shown in the picture.
a. Bullock cart
b. Auto rickshaw
c. Helicopter
d. Ship



19. Identify the land transport that belongs to X and Y group.

X runs on petrol, diesel or gas engine.

Y runs on steam, diesel or electric engine.

- a. X- Car Y- Metro train
b. X- Bus Y- Train
c. X- Truck Y- Train
d. Both b and c

20. Match the following and choose the correct option shown below.

Column I	Column II
A. Modern means of communication	i.
B. Postal communication	ii.
C. Means of mass communication	iii.
D. Sign language	iv.

SECTION - C : BRAINBOX

21. The names of three places where metro rails run in India are hidden in the grid given below. Find out their name and choose the correct option.

A	D	E	L	H	I	G
J	A	I	P	U	R	H
K	O	L	K	A	T	A
X	C	V	B	L	J	I

- a. Bangalore, Kerala and Delhi
- b. Delhi, Jaipur and Kolkata
- c. Mumbai, Kolkata and Chennai
- d. Assam, Kolkata and Shimla

22. By means of communication:

- I. We can send and receive messages.
- II. We visit distant places.

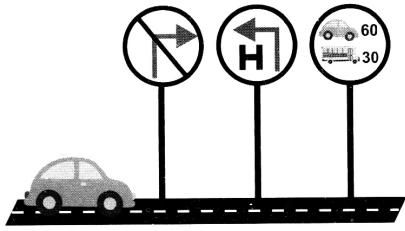
Choose the correct option with respect to I and II.

- a. I is correct
- b. II is correct
- c. I and II both are wrong
- d. II is correct explanation of I

23. A word is encircled in each of the options given below. In which option an incorrect word is encircled for the group?

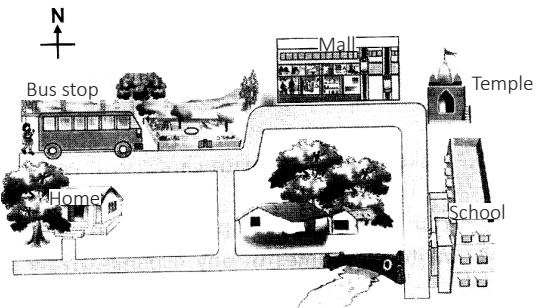
- a. Newspaper, magazines, television, postcard
- b. Telephone, mobile, fax, e-mail
- c. Postcards, stamp, inland letter, radio
- d. Mobile, fax, telephone, television

24. While driving, Nishi reached a point where the following road signs were present. Select the correct option regarding it.



- a. She should take a right turn from here.
- b. She cannot take left to the hospital.
- c. Speed limit for small vehicles like cars is 60 kmph.
- d. At a time, maximum 30 big vehicles can be allowed on this road.

25. Study the given map of Rina's locality. What building is located to the North of Rina's home?



- a. Temple
- b. Bus stop
- c. Mall
- d. School

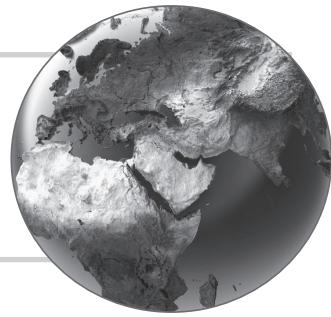
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| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
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| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

Chapter 11

The Earth and The Universe

- Our Earth is a very beautiful planet.
- It is spherical in shape.
- Our Earth is the only planet known to have plants and animals on it.



- Moon is our closest neighbour in the sky and has mountains and valley like Earth.
- It has no air and light of its own.
- It appears to change its shape as it moves around the Earth.

Light helps us to see things around us.

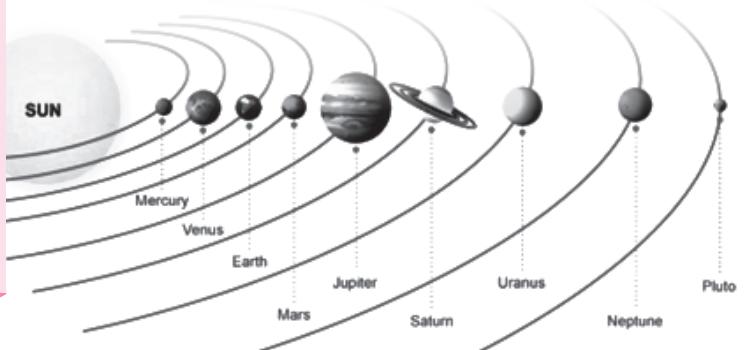
A shadow is a dark place where little or no light reaches. Anything that blocks light from passing through it, casts a shadow.

The Sun is a huge ball of fire that gives us heat and light.

It is our nearest star.

Stars are huge ball of fire, very far away from us, that twinkle in the sky at night.

- It has air and water.
- Different landforms like mountains, valleys, plains, plateaus, hills and water bodies like oceans, etc., are found on the Earth.
- Earth moves all the time. Its movement is of two types i.e. rotation and revolution.
- Rotation causes day and night, while revolution causes change in seasons.



- Our Solar system has Sun and eight planets which are the part of the Solar system.
- Planets move around the Sun in fixed orbits.

Our Planets

1

2

3

4

5

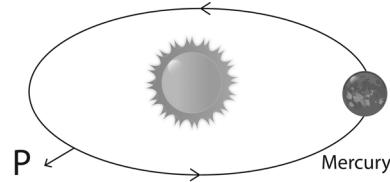
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7

8

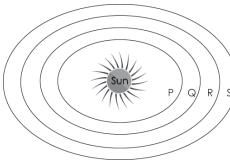
Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune

SECTION - A : SCIENTIFIC REASONING

1. The sun and _____ planets together make the solar system.
 - a. 9
 - c. 5
 - b. 7
 - d. 8
 2. _____ is the smallest planet.
 - a. Venus
 - b. Earth
 - c. Mercury
 - d. Sun
 3. Which of the following statement is correct?
 - a. Mercury and Venus don't have any moons.
 - b. Sun is the largest planet.
 - c. Earth is a huge ball of fire.
 - d. Mars is the only planet which seems to have some life on it.
 4. What causes day and night?
 - a. Earth's revolution
 - b. Earth's rotation
 - c. Movement of the Sun
 - d. None of these
 5. Which of the following have mountains and valleys?
 - a. Venus and Mercury
 - b. Earth and Moon
 - c. Sun and Stars
 - d. Jupiter and Uranus
 6. Which of the following is the correct order of planets from nearest the Sun to the farthest?
 - a. Mercury, Jupiter, Saturn, Uranus
 - b. Mercury, Venus, Earth, Jupiter
 - c. Mercury, Venus, Earth, Mars
 - d. Mass, Earth, Mercury, Venus
 7. Look at the given figure and answer the following question.
What is P called in this figure?
 - a. Path
 - b. Track
 - c. Axis
 - d. Orbit
 8. Which of the following statement about the moon is not correct?
 - a. It is the closest neighbour of the earth.
 - b. It has no air.
 - c. It gives us light.
 - d. It appears to change its shape.
 9.

Vaishali – A valley is a low area between two hills.

Vishaakh – Wells are a fresh water source.
- Based on the dialogue given above, select the correct option.
- a. Vaishali is wrong and Vishaakh is right.
 - b. Both Vaishali and Vishaakh are wrong.

- c. Vaishali is right and Vishaakh is wrong.
 - d. Both Vaishali and Vishaakh are right.
10. Select the correct option to fill the blanks of the given sentence.
Rotation causes day and night, while revolution causes _____.
- a. change in rotation
 - b. change in seasons
 - c. change in the Earth's movement
 - d. change in order of planets
11. Identify the position of the Earth according to the figure given.
- 
- a. P
 - b. Q
 - c. R
 - d. S
12. Which is the largest and the smallest planet of the solar system?
- a. Largest- Mercury, Smallest- Jupiter

- b. Largest- Jupiter, Smallest- Mercury
- c. Largest- Earth, Smallest- Venus
- d. Largest- Venus, Smallest- Earth



What is shown wrong in the above figures?

- a. Rainbow in Q
 - b. Star in P
 - c. Sun in P
 - d. Both a and b
14. I shine in the night sky, but I do not have my own light. I borrow light from the nearest star. I change my shape every night. Who am I?
- a. Sun
 - b. Moon
 - c. Star
 - d. Planet
15. I am a big ball of fire. I give out heat and light in the solar system. Who am I?
- a. Jupiter
 - b. Earth
 - c. Sun
 - d. Moon

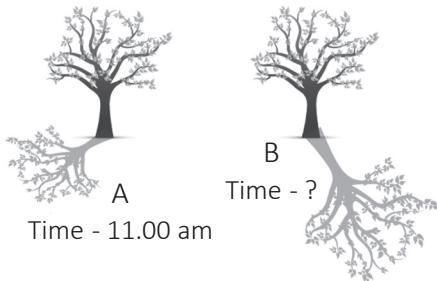
SECTION - B : EVERYDAY SCIENCE

16. Where would you feel maximum hotness?
- a. Inside the classroom on a cloudless and sunny day
 - b. In the school garden on a cloudless and sunny day
 - c. In the classroom on a windy day
 - d. In the school garden on a windy day

17. Farha looks at the Moon and draws its picture (as shown in fig. I). After a few nights she draws another picture of how the moon looks like now (as shown in fig. II). Why does the moon look different on different nights?



- a. We only see that part of the Moon which is lit up by the Sun.
 - b. The Moon comes nearer to the Earth day by day.
 - c. The Moon grows in size day by day.
 - d. None of these
18. A and B show shadows of a tree at different times on a sunny day. A shows the tree's shadow at 11 am.



At what time the tree will cast the shadow as shown in B?

- a. 9:00 am
 - b. 11:30 am
 - c. 4:00 pm
 - d. 12:00 noon
19. What do the following two planets have in common?

- 1) Earth 2) Jupiter
- Select the correct option.
- a. Both these planets have life on them.
 - b. Both planets are equal in size.
 - c. Both planets are closest to the Sun.
 - d. Both planets have natural satellites called moon, revolving around them.

20. Complete the following paragraph by selecting the correct sequence of words.

The _____ revolves around the Sun on a fixed path called _____. This revolution causes change in _____.

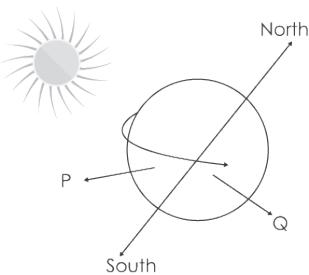
- a. Earth, orbit, seasons
- b. Jupiter, orbit, temperature
- c. Earth, pathway, seasons
- d. Mars, orbit, seasons

SECTION - C : BRAINBOX

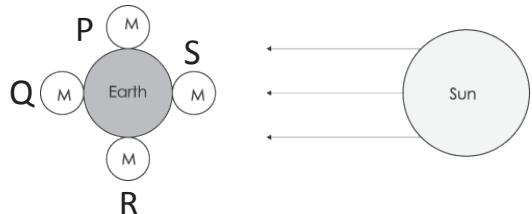
21. Look at the figure and answer the following question.

Which part of the Earth has night?

- a. Q
- b. P
- c. Both P and Q
- d. None of these



22. What will be the position of the Moon during an eclipse of the Sun, as per the following figure?



- a. P
- b. Q
- c. R
- d. S



Which of the above shown figure shows the result of revolution of the Earth?

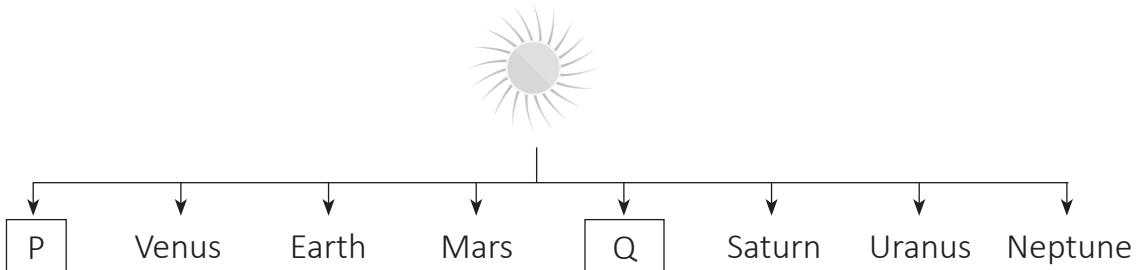
- a. Only II
- b. Only I
- c. Only IV
- d. Both a and c

24. Why do astronauts wear spacesuits?

- I. To be able to breathe
 - II. To look smart
 - III. To feel comfortable
 - IV. To survive and work in space
- a. I and II are correct
 - b. II and III are correct
 - c. I and IV are correct
 - d. IV is wrong



25. Study the diagram below. Select the correct option to identify P and Q.



- a. P – Uranus, Q – Mercury
- b. P – Mercury, Q – Jupiter
- c. P – Saturn, Q – Jupiter
- d. P – Mercury, Q – Mars

Darken your choice with HB pencil

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|--|---|---|---|
| 1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d |
| 5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |
| 7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | |

1. What comes next in the given pattern?

2, 4, 6, 8, 10, 12 ?

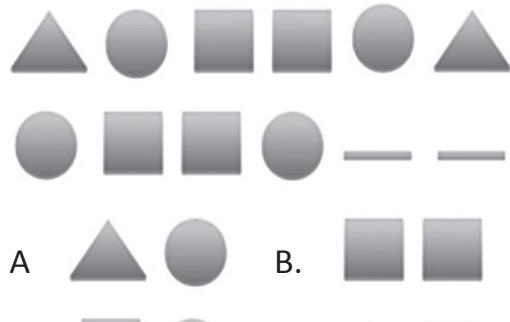
- a. 13 b. 14
c. 15 d. 16

2. Which lady bird shows equal spots on both parts?



- A. B. C. D.
a. A b. B
c. C d. D

3. What will be the next two geometric shapes in the pattern below?



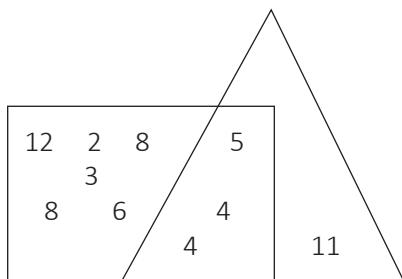
- a. A b. B
c. C d. D

4. What number should go in to balance the scale?



- a. 45 b. 50
c. 60 d. None of the above

5. Which number in the figure is in the triangle but NOT in the rectangle?



- a. 4 b. 5
c. 8 d. 11

6. The fifth object from right hand side is _____.



1. 2. 3. 4.

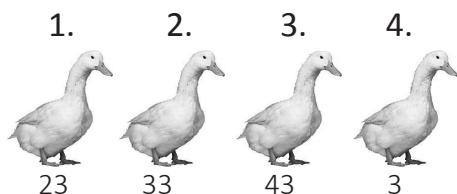
- a. 1 b. 2
c. 3 d. 4

7. What is the missing number in the given pattern?

3	2	5	4	3	7
4	?	6			

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

8. Which duck am I? I have 2 digits with a 3 in the ones place. I am more than 10 and less than 30.

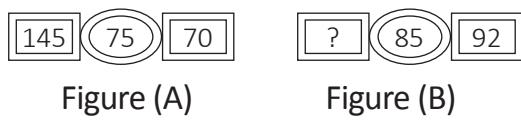


- a. 1 b. 2
c. 3 d. 4

9. Which of these takes the longest time?

1. Blink your eye
 2. Polish your shoes
 3. Eat your breakfast
 4. Finish reading a story book of 100 pages
- a. 1 b. 2
c. 3 d. 4

10. Follow the pattern of figure (A) to find the missing number of pattern (B).



- a. 105 b. 177
c. 137 d. 147

11. Arrange the given words in an alphabetical order.

- (i) Son (ii) Sun
(iii) Sandeep (iv) Scull
- a. (i), (ii), (iii) and (iv)
b. (iii), (iv), (i) and (ii)
c. (iii), (ii), (i), and (iv)
d. (ii), (iii), (i) and (iv)

12. Complete the pattern given below.

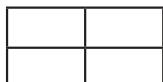
5, 10, _____, 30, 35

- a. 15, 20, 30 b. 20, 25, 30
c. 15, 20, 25 d. 20, 30, 40

13. If is to then is to _____.

- a. b.
c. d.

14. How many rectangles are there in the given figure?



- a. 2 b. 5
c. 3 d. 9

15. If there is no fish in the picture, then elephant would be at _____ place from right?



- a. 3rd b. 4th
c. 5th d. 6th

16. Replace the question mark.

T	O
5	9
+ 2	8
8	_?_

- a. 5 b. 6
c. 7 d. 9

17. Which of the following is used to measure the weight of an adult person?

- a. milligrams
b. kilograms
c. grams
d. quintal

18. Which number makes the given statement true?

$$\boxed{35} \times \boxed{0} = \boxed{\text{-----}}$$

a. 35 b. 0
c. 53 d. 1

19. How many more lions are needed to get 32 lions?



- a. 8
b. 10
c. 11
d. 12

20. What time does the clock show?

- a. 7:00
b. 11.35
c. 12.35
d. 6.55



21. There was a 200 metres long race organised by a society.

Radha ran 40 metres and walked 160 metres. Anushka ran entire 200 metres race.

How many metres did the girls run in all ?

- a. 160 metres
b. 200 metres
c. 240 metres
d. 360 metres

22. Which is not a correct way to show 88?

- a. 8 tens and 8 ones
b. $80 + 8$
c. $8 + 8$
d. 8 tens and 18 ones

23. A minibus holds 11 people. How many people would 5 minibuses hold?

- a. 44 b. 50
c. 55 d. 57

24. Arrange the following in a proper sequence from starting to end.

- (i) Rahul wakes up in the morning.
(ii) Rahul goes to school.
(iii) Rahul brushes his teeth.
(iv) Rahul drinks juice.

- a. (i), (iii), (ii) and (iv)
b. (ii), (iii), (iv) and (i)
c. (i), (iii), (iv) and (ii)
d. (iv), (iii), (i) and (ii)
25. Ramya's birthday comes on 15th November. Aditi's birthday comes 7 days after Ramya's birthday. On which day was Aditi's birthday in the year 2018?

November 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

- a. Sunday b. Monday
c. Thursday d. Friday

-
- Darken your choice with HB pencil
-
1. a b c d 8. a b c d 15. a b c d 22. a b c d
2. a b c d 9. a b c d 16. a b c d 23. a b c d
3. a b c d 10. a b c d 17. a b c d 24. a b c d
4. a b c d 11. a b c d 18. a b c d 25. a b c d
5. a b c d 12. a b c d 19. a b c d
6. a b c d 13. a b c d 20. a b c d
7. a b c d 14. a b c d 21. a b c d

Answers

Chapter 1: Living and Non-Living Things

1.	c	2.	c	3.	d	4.	d	5.	c	6.	a	7.	d	8.	b	9.	d	10.	a
11.	b	12.	a	13.	d	14.	b	15.	a	16.	d	17.	c	18.	b	19.	a	20.	c
21.	d	22.	b	23.	b	24.	a	25.	d										

Chapter 2: Plants and Animals

1.	d	2.	c	3.	d	4.	d	5.	b	6.	d	7.	d	8.	c	9.	a	10.	c
11.	a	12.	d	13.	d	14.	c	15.	d	16.	c	17.	a	18.	a	19.	c	20.	a
21.	b	22.	a	23.	b	24.	c	25.	b										

Chapter 3: Food

1.	a	2.	d	3.	c	4.	b	5.	d	6.	d	7.	c	8.	b	9.	a	10.	a
11.	b	12.	b	13.	d	14.	b	15.	c	16.	d	17.	d	18.	d	19.	d	20.	c
21.	c	22.	a	23.	b	24.	a	25.	c										

Chapter 4: Human Body

1.	d	2.	a	3.	b	4.	d	5.	a	6.	a	7.	c	8.	d	9.	d	10.	d
11.	c	12.	b	13.	d	14.	d	15.	d	16.	b	17.	b	18.	a	19.	c	20.	c
21.	d	22.	c	23.	b	24.	d	25.	a										

Chapter 5: Housing and Clothing

1.	d	2.	b	3.	d	4.	a	5.	b	6.	b	7.	b	8.	a	9.	c	10.	b
11.	d	12.	b	13.	c	14.	d	15.	a	16.	d	17.	d	18.	b	19.	b	20.	d
21.	b	22.	b	23.	a	24.	b	25.	d										

Chapter 6: Water, Air, Weather and Season

1.	c	2.	a	3.	b	4.	a	5.	d	6.	b	7.	a	8.	a	9.	c	10.	d
11.	d	12.	a	13.	a	14.	d	15.	b	16.	d	17.	a	18.	a	19.	d	20.	c
21.	a	22.	a	23.	a	24.	a	25.	a										

Chapter 7: Family and Festivals

1.	a	2.	d	3.	b	4.	c	5.	a	6.	c	7.	c	8.	c	9.	d	10.	d
11.	d	12.	a	13.	d	14.	c	15.	c	16.	a	17.	d	18.	b	19.	d	20.	b
21.	a	22.	d	23.	a	24.	d	25.	d										

Chapter 8: Occupations and Surroundings

1.	b	2.	c	3.	d	4.	c	5.	b	6.	c	7.	b	8.	b	9.	d	10.	c
11.	a	12.	a	13.	a	14.	d	15.	a	16.	d	17.	d	18.	c	19.	b	20.	b
21.	a	22.	c	23.	c	24.	c	25.	a										

Chapter 9: Good Habits and Safety Rules

1.	b	2.	d	3.	a	4.	d	5.	c	6.	c	7.	b	8.	d	9.	c	10.	b
11.	c	12.	a	13.	c	14.	b	15.	d	16.	b	17.	b	18.	d	19.	c	20.	a
21.	d	22.	a	23.	d	24.	c	25.	d										

Chapter 10: Transportation and Communication

1.	c	2.	b	3.	d	4.	d	5.	d	6.	b	7.	c	8.	d	9.	d	10.	c
11.	c	12.	c	13.	d	14.	d	15.	d	16.	d	17.	c	18.	c	19.	d	20.	b
21.	b	22.	a	23.	b	24.	c	25.	b										

Chapter 11: The Earth and The Universe

1.	d	2.	c	3.	a	4.	b	5.	b	6.	c	7.	d	8.	c	9.	d	10.	b
11.	c	12.	b	13.	d	14.	b	15.	c	16.	a	17.	a	18.	c	19.	d	20.	a
21.	a	22.	d	23.	d	24.	c	25.	b										

Chapter 12: Logical Reasoning

1.	b	2.	a	3.	a	4.	c	5.	d	6.	c	7.	b	8.	a	9.	d	10.	b
11.	b	12.	c	13.	b	14.	d	15.	c	16.	c	17.	b	18.	b	19.	d	20.	a
21.	c	22.	c	23.	c	24.	c	25.	c										