



Delhi Public School, Gandhinagar
Academic Session 2024-25
NATIONAL SCIENCE OLYMPIAD (NSO)

Student Name:	
Total Questions : 50	Guidelines for the Candidate
	Time : 1 hr
1.	Additional 10 minutes will be given to the students to fill up the students' information before the start of the exam.
2.	All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
3.	Write your Roll no, Name and Class clearly on the answer sheet and do not forget to sign.
4.	There is only one correct answer hence mark one choice only.
5.	Darken your choice with HB pencil or Blue/Black ball point pen.
6.	Rough work should be done in the blank space provided in the booklet.
7.	Return the answer sheet to the invigilator at the end of the exam. The question paper can be retained by the student.

Tick the correct answer.

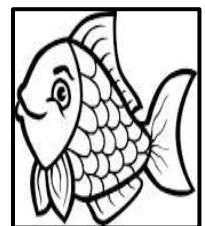
1. Today is Radha's birthday. So, her mother called a _____ to do funny acts.

- A. postman B. doctor C. clown D. watchman



2. Misha loves to eat fish. She is a _____.

- A. vegetarian
 B. non-vegetarian
 C. Both of these
 D. None of these



3. Soham is living in a house having two floors.

It is a _____ storey house.



- A. double B. triple C. single D. none of these
-

4. Which of these activities we should not do?

A.



B.



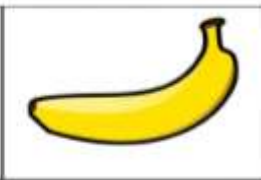
C.



D.



5. Cross the odd one out.



A

B

C

D

6. Which of the following festivals is associated with the given picture?

A. Christmas

B. Pongal

C. Diwali

D. Holi



7. Sana is my niece. She is _____ of my son.

A. wife

B. cousin

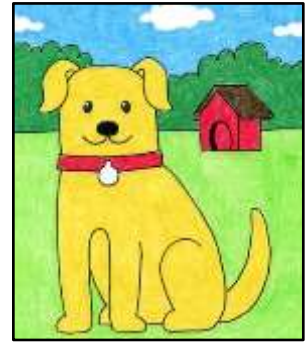
C. daughter

D. sister-in-law

8. Refer to the animal shown here and select the option which correctly fits in the given sentence.

I am the first animal tamed by the man. I bark at the strangers.

- A. cat
- B. lion
- C. dog
- D. elephant



9. Select the odd one out from the following.

- A. man
- B. baby
- C. cat
- D. woman

10. Which road sign is shown in the given box?

- A. School ahead
- B. No Parking
- C. Bump ahead
- D. Zebra Crossing



11. My father grows X in our garden. X provides cotton. X is _____.



A.



B.



C.

D. _None of these

12. Select the option which on unscrambling gives the name of home of the cow.

- A. ned
- B. tables
- C. heds
- D. rrobuw

13. Muscles become strong if we _____ daily.

- A. watch tv
- B. read books
- C. draw
- D. exercise

14. Which portable house will you use when you go for camping on a hill?



A



B



C



D

15. Aryan's house is built on the wooden logs and it has sloping roofs. Aryan most probably be residing in a place where _____.

- A. Heavy rainfall occurs
- B. Fish enter the house
- C. Forest fires are common
- D. Water is not available



16. Which of the following runs on the road?



A



B



C



D

17. Mayank has difficulty in breathing. He has some problem with his _____.

- A. lungs
- B. stomach
- C. liver
- D. kidney

18. If 'Green' is called 'Blue', 'Blue' is called 'Orange', 'Orange' is called 'Red', then what is the colour of sky?

- A. green
- B. blue
- C. orange
- D. red

19. " Oh, Mom! I do not want to go to school today. Let me sleep more", said Rahul.

In which of the following rooms Rahul would be present at this time?

- A. study room
- B. living room
- C. bathroom
- D. bedroom

20. My friend Shelly Verma's father calls her 'Sonu' lovingly. Sonu is her _____ name.

- A. nick B. middle C. sur D. first
-

21. The traffic police officer is signalling to stop vehicles approaching from the _____.

- A. behind
B. left side
C. right side
D. front



22. The things shown in the box X can be found in which of the following rooms of a house? (Clue: You will get the name of room by cutting every third letter in the given option.)

- A. KIGTCEHEON
B. BARTHOROOM
C. BEODRMOOEM
D. LIJVIMNGRROSOM



23. I have one face and two hands, but no legs. Who I am?

- A. bat B. clock C. ball D. cat



24. Kitten is the baby of a _____.

- A. sheep B. cow C. cat D. goat
-

25. Tina is playing in the garden. While playing, she observes the Sunset. What is the time of the day ?

- A. Morning B. Evening
C. Afternoon D. Night



26. We help you to write and hold. Who are we?

- A. legs
- B. nose
- C. hands
- D. eyes



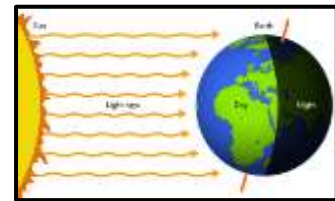
27. Refer to the given picture. Is the boy following the safety rules?

- A. Yes, because he is not flying kite in the sky.
- B. No, because he is not wearing swimming float.
- C. Yes, because he is wearing a cap.
- D. No, because he is flying kite on the terrace without railings.







28. The day and night are caused due to _____ of the Earth on its own _____.

- A. Revolution, Axis
- B. Rotation, Axis
- C. Revolution, Orbit
- D. Rotation, Orbit



29. Mr. X wears turban and is a follower of Guru Nanak Devji. He goes to the _____ to offer his prayers.

- A. 
- B. 
- C. 
- D. 

30. Ms. Shallu reuses water, which was used to wash vegetables and to mop the floor.

She is practicing _____ of water.

- A. pollution
- B. conservation
- C. evaporation
- D. None of these.

31. Nowadays, people sitting at far off places can see and talk to each other and express their views with the help of telecommunication and computer. This is done through _____.

- A. e-mail B. radio C. video conferencing D. fax
-

32. Which of the following should NOT be done while eating?

- A. Stuff your mouth
B. Chew with mouth close
C. Chew food slowly
D. None of these



33. We should never play with the _____.

- A. matchbox and matchstick
B. football
C. blade
D. Both A and C
-

34. Rohan made four groups each with two activities of similar kind, but he made one mistake while pairing activities in one of the groups. Select the **INCORRECT** group.

- A. Ludo and Carrom
B. Table Tennis and Polo
C. Billiards and Chess
D. Cricket and Football
-

35. Shallu finds a piece of cloth whose characteristics are as follows:

- It entraps air.
- It is made up of a fibre obtained from an animal.

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

- A. synthetic fibre B. cotton fibre C. woollen fibre D. jute fibre

36. Read the given conversation and select the correct option.

Aarika : The Solar System consists of the Sun and all the planets that move around it.

Vikas : The Sun is the closest star to the Earth.

- A. Aarika is right but Vikas is wrong.
 - B. Both Aarika and Vikas are right.
 - C. Vikas is right but Aarika is wrong.
 - D. Both Aarika and Vikas are wrong.
-

37. The given things can be dangerous as they all _____



- A. Have sharp edges which can cut your hands
 - B. Can catch fire easily and burn you
 - C. Are chemicals and can be safe
 - D. All of these
-

38. Refer to the animal shown here and select the option which correctly fills the blank in the given sentence.

I keep my young one in my pouch. My young one is called _____.

- A. kid
- B. cub
- C. joey
- D. calf

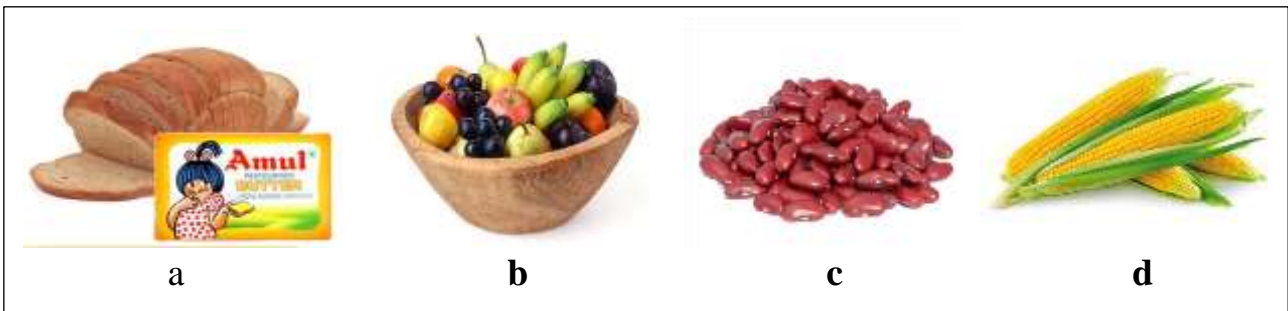


39. The road sign shown here means that the _____ is nearby.

- A. hospital
- B. Bus stop
- C. School
- D. Airport



40. Refer the food items given in the box.



1: Which among these will give you the most energy?

2: Which among these is a body building food?

- A. 1-d, 2-a
- B. 1-a, 2-c
- C. 1-b, 2-c
- D. 1-c, 2-b

41.



Wow! This is tempting smell. I think mom is making pizza in the kitchen.

Rahul

Rahul most likely came to know about the pizza with the help of his _____.

- A. ears
- B. nose
- C. tongue
- D. eyes

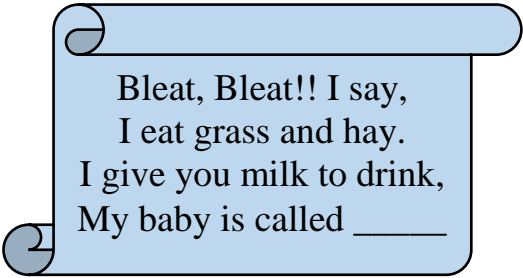
42. A green healthy plant growing at one corner in Ruchi's garden was dugged out and replanted at other corner. After that it soon dried out. Its _____ must have got damaged.
A. flower B. fruit C. roots D. none of these

43. Select the correct match out of following.

- A. cow - moo - kid B. elephant - chatter - fawn
C. monkey - croak - fawn D. tiger - growl - cub
-

44. Select the option that correctly fills the blank in the given riddle.

- A. kid
B. calf
C. cub
D. Joey



Bleat, Bleat!! I say,
I eat grass and hay.
I give you milk to drink,
My baby is called _____

45. Which is the smallest planet in our Solar System?

- A. The Mercury B. The Venus C. The Earth D. The Neptune
-

46. Honey is obtained from the _____.

- A. ant B. honey bee C. cow D. snake
-

47. Rohan is a good student because he throws waste in the _____.

- A. road B. class C. dustbin D. bucket
-

48. If we blow air into a balloon, it starts getting bigger. This shows that _____.

- A. air moves things B. air doesn't have weight
C. air occupies space D. None of these

49. Select the odd one out among the following.

A. ludo

B. carrom

C. chess

D. hockey

50. Suresh fits the water pipes, sinks and taps. He is a _____

A. barber

B. postman

C. plumber

D. doctor



ANSWER KEY:

Q.NO	ANSWER	Q.NO	ANSWER
1.	C	26.	C
2.	B	27.	D
3.	A	28.	B
4.	A	29.	D
5.	B	30.	B
6.	C	31.	C
7.	B	32.	A
8.	C	33.	D
9.	C	34.	B
10.	B	35.	C
11.	B	36.	B
12.	C	37.	B
13.	D	38.	C
14.	B	39.	A
15.	A	40.	B
16.	A	41.	B
17.	A	42.	C
18.	C	43.	D
19.	D	44.	B
20.	A	45.	A
21.	B	46.	B
22.	A	47.	C
23.	B	48.	C
24.	C	49.	D
25.	B	50.	C

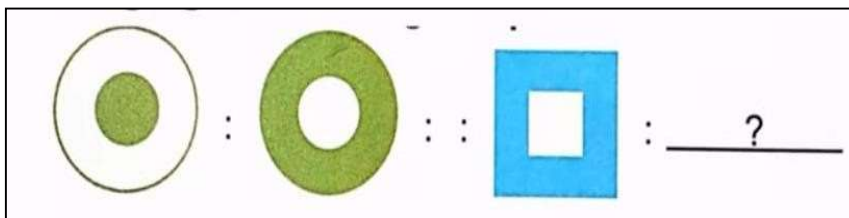


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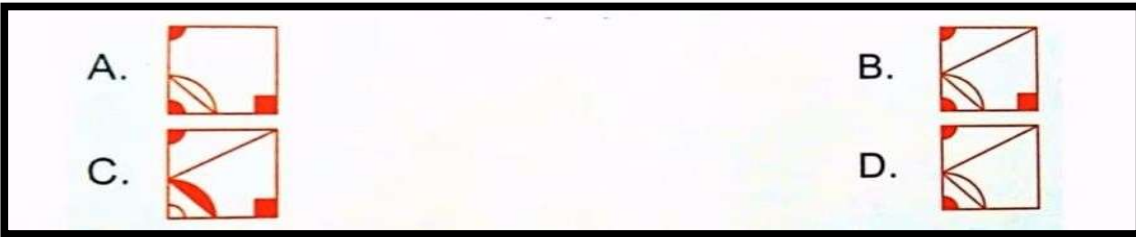
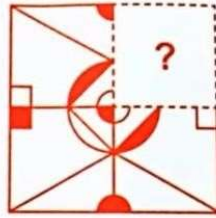
Tick the correct answer.

1. There is a certain relationship between the pair of figures on the either side. Identify the relationship of the given pairs and find the missing figure?



- A. B. C. D. None of the above

2. Which of the following options will complete the pattern in the given figure?

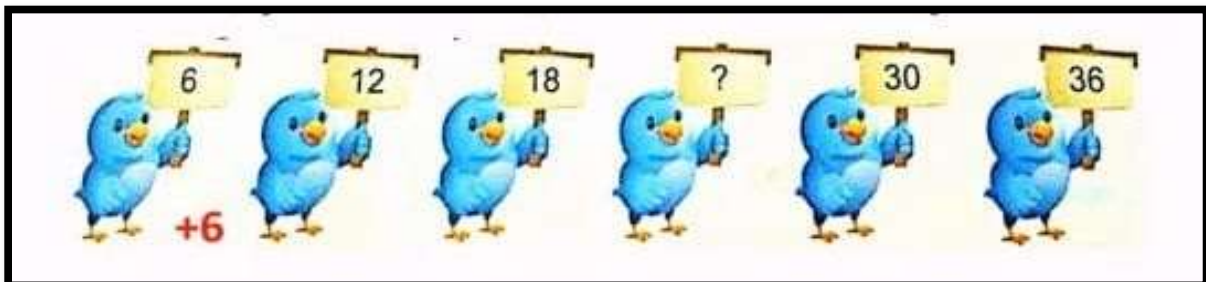


3. Naira starts her football practice on 3rd Monday of July 20XX. She practices for 5 days. Her practice will finish on _____.

- A. 24th July
- B. 19th July
- C. 27th July
- D. 21st July

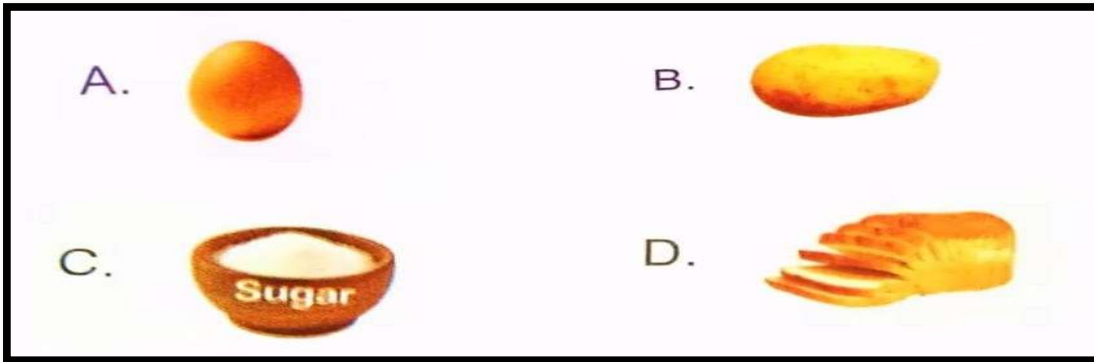
July 20XX						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

4. Complete the given number pattern.



- A. 24
- B. 26
- C. 20
- D. 2

5. Cross the odd one out.



6. What is the similar among the given animals?



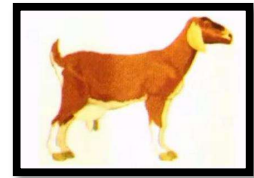
- A. They live in a den.
- B. They lay eggs.
- C. They live both on land and in the sky.
- D. They eat both plants and eggs.

7. Which of the following road sign tells you that there is a hospital ahead on the road?



8. Starting from the first letter, strike out every alternate letter in the given option and select the one that gives the name of the young one of the animal shown here.

- A. RLSAUMABSE
- B. MCNACLPFQ
- C. UCVUXBZ
- D. AKSITDL



9. Silkworm is used to prepare which one of the following.

- A. Air
- B. Water
- C. Cloth
- D. Milk

10. Full form of PIN is_____.

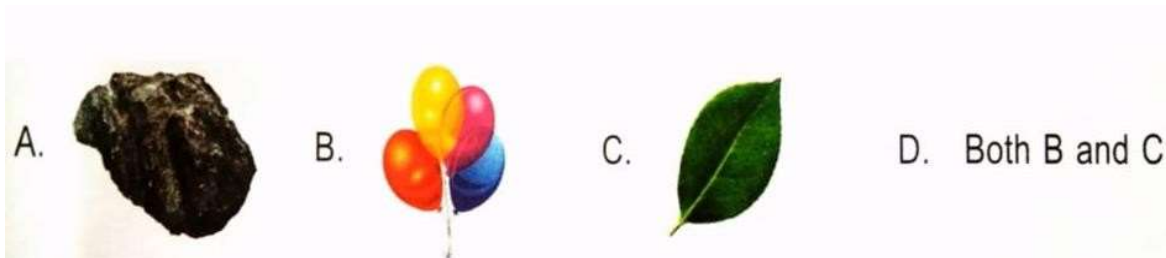
- A. Postal Index Number
- B. Payable Index Number
- C. Printed Indian Newspaper
- D. None of the above

11. The object shown in the picture is an _____means of communication.

- A. Personal
- B. Visual
- C. Audio-Visual
- D. Audio



12. Which of the following objects can be used to show that air moves things?



13. Neelam lives in a place where rains and flood are very common. Her friend Pooja lives where earthquakes are very common. Select the correct option regarding houses in which these two friends are most likely living.

- A. Stilt house
- B. Igloo
- C. Bungalows
- D. Flat

14. Which of the following are benefits of the outdoor activities?

- i. help in bonding with people.
- ii. gives physical benefits and help in improving the health.
- iii. increases stress and challenges of life.
- iv. increases awareness and concern about our duties to develop a healthy environment.

- A. i, ii and iv
- B. ii and iii
- C. i and iii only
- D. i, ii, iii and iv

15. Namita is blind folded and she is asked to differentiate between a few pairs of items between which of the following pairs of item she cannot differentiate?

- A. A glass of orange juice and a glass of mango juice.
- B. A piece of red and a blue cloth.
- C. A round ball and a rectangular box.
- D. An empty piggy box and a piggy bank with some coins in it.

16. When water evaporates, it changes into a _____.

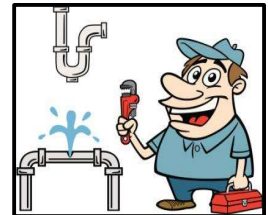
- A. mixture
- B. solid
- C. gas
- D. solution

17. Select the odd one out among the following.

- A. Ludo
- B. Carrom
- C. Chess
- D. Hockey

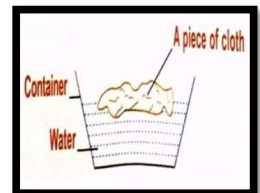
18. Suresh fits the water pipes, sinks and taps. He is a _____.

- A. barber
- B. postman
- C. plumber
- D. doctor



19. The cloth shown in the given picture did not absorb water at all. When checked after a few minutes it is suitable for making a _____.

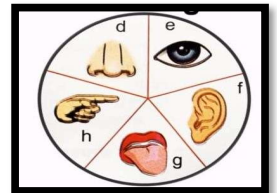
- A. T-shirt
- B. Floor mop
- C. Raincoat
- D. None of these



20. The below words are associated with which of the given sense organs?

Hot, Cold, Soft, Smooth, Rough, Hard

- A. d and e only
- B. e and g only
- C. h only
- D. h, e and f only



21. If 'Green' is called 'Blue', 'Blue' is called 'Orange', 'Orange' is called 'Red' then what is the colour of sky ?

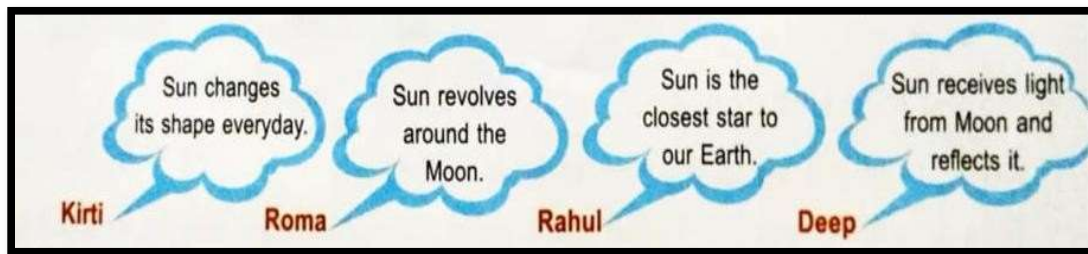
- A. green
- B. blue
- C. orange
- D. red

22. **“Oh, Mom! I do not want to go to school today. Let me sleep more”, said Rahul.”**

In which of the following rooms Rahul should be present at this time ?

- A. study room
- B. living room
- C. bathroom
- D. bedroom

23. Four students Kirti, Roma, Rahul and Deep are discussing about the Sun. Who amongst these children has/ have given WRONG statement?



- A. Rahul and Roma only
- B. Rahul only
- C. Kirti, Roma and Deep only
- D. Deep only

24. The traffic police officer is signaling to stop vehicles approaching from the _____.

- A. behind
- B. left side
- C. right side
- D. front



25. Aradhaya needs to buy Band-Aid for her sister. She should go to the _____

- A. Baker
- B. Chemist
- C. Florist
- D. Greengrocer

26. I have one face and two hands, but no legs. Who I am?

- A. bat
- B. clock
- C. ball
- D. cat



27. Tina is playing in the garden. While playing, she observes the Sunset. What is the time of the day?

- A. Morning
- B. Evening
- C. Afternoon
- D. Night

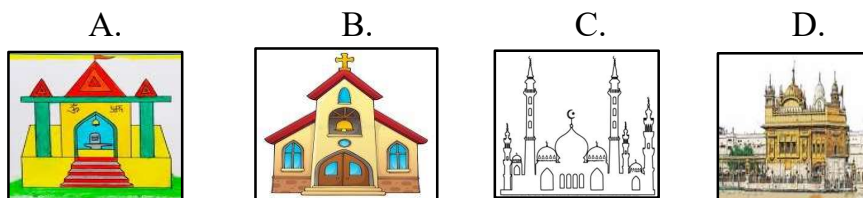


28. Refer to the given picture. Is the boy following safety rules?

- A. Yes, because he is not flying kite on the ground.
- B. No, because he is not wearing swimming float.
- C. Yes, because he is wearing a cap.
- D. No, because he is flying kite on terrace without railings.



29. Mr. X wears turban and is a follower of Guru Nanak Devji. He goes to the _____ to offer his prayers.



30. We should never play with _____.

- A. matchbox and matchstick
- B. football
- C. blade
- D. Both A and C

31. Rohan made four groups each with two activities of similar kind, but he made one mistake while pairing activities in one of the groups. Select the **INCORRECT** group.

- A. Ludo and Carrom
- B. Table tennis and Polo
- C. Billiards and Chess
- D. Cricket and Football

32. Which of the following is **INCORRECT**?

- A. Children need to sleep for eight hours every night.
- B. Cover the face when you sleep.
- C. Our body gets rest when we sleep.
- D. Go to the bed early so that we can wake up early in the morning.

33. "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

34. Read the given conversation and select the correct option.

**Aarika : The solar system consists of the sun
and all the planets that move
around it.**

Vikas : Sun is the closest star to the Earth.

- A. Aarika is right but Vikas is wrong.
- B. Both Aarika and Vikas are right.
- C. Vikas is right but Aarika is wrong.
- D. Both Aarika and Vikas are wrong.

35. Study the given map of a locality. What is located in the East of the post office?

- A. Children Park
- B. Hospital
- C. Riya's home
- D. Shopping mall



36. My friend told me an exciting story of his Easter egg hunt this year. He probably belongs to a religion whose main festival is _____.

- A. Christmas
- B. Baisakhi
- C. Holi
- D. Eid-ul-Fitr

37. Which living thing produces their own food?

- A. Birds
- B. Plants
- C. Animals
- D. None of these

38. Ponds, lakes and rivers are the source of _____ water.

- A. ground
- B. rain
- C. surface
- D. none of these

39. What can we do to reduce the air pollution?

- A. Drive electric vehicles
- B. Recycle the aluminum cans
- C. Throw plastic bags in open
- D. None of these

40. Refer to the animal shown here and select the option which correctly fills the blank in the given sentence.



I keep my young one in my pouch. My young one is called _____.

- A. kid
- B. calf
- C. joey
- D. cub

41. A green healthy plant growing at one corner in Ruchi's garden was dugged out and replanted at other corner. After that it soon dried out. It's _____ must have got damaged.

- A. flower
- B. fruit
- C. roots
- D. none of these

42. Select the option that correctly fills the blank in the given riddle.

- A. Kid
- B. Calf
- C. Cub
- D. Joey

Bleat, Bleat!! I say,
I eat grass and hay.
I give you milk to drink,
My baby is called _____.

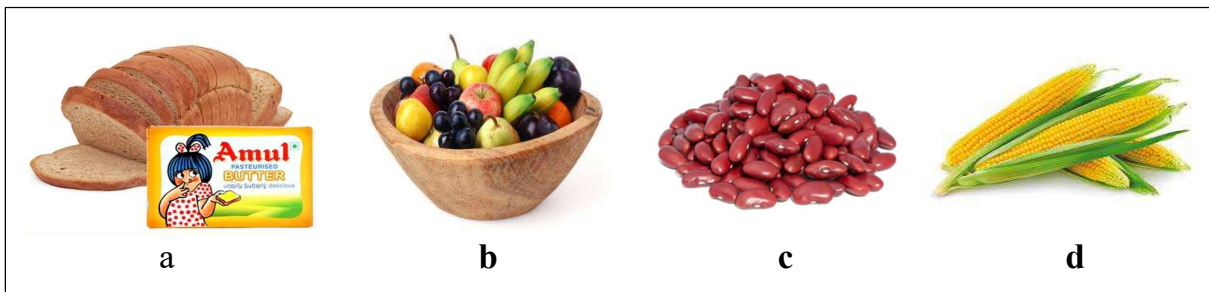
43. Honey is obtained from the _____.

- A. ant
- B. honey bee
- C. cow
- D. snake

44. If we blow air into a balloon, it starts getting bigger. This shows that _____.

- A. air moves things
- B. air has weight
- C. air occupies space
- D. none of these

45. Refer the food items given in the box.



1: Which among these will give you the most energy?

2: Which among these is a body building food?

- A. 1-d, 2-a
- B. 1-a, 2-c
- C. 1-b, 2-c
- D. 1-c, 2-b

46. I went to a restaurant for a birthday party. The food was served to me by the _____.

- A. waiter
- B. chef
- C. manager
- D. none of these

47. Which part of the spinach we eat?

- A. Root
- B. Fruit
- C. Leaves
- D. Stem

48. Hippopotamus is _____.

- A. a plant
- B. an animal
- C. a living thing
- D. both (B) and (C)

49. Choose the different word from the following.

- A. Lion
- B. Tiger
- C. Cow
- D. Leopard

50. Which among the following is the hardest mineral?

- A. Graphite
- B. Diamond
- C. Quartz
- D. Talc

ANSWER KEY

Q.NO	ANSWER	Q.NO	ANSWER
1.	B	26.	B
2.	B	27.	B
3.	B	28.	D
4.	A	29.	D
5.	A	30.	D
6.	B	31.	B
7.	C	32.	B
8.	D	33.	C
9.	C	34.	B
10.	D	35.	D
11.	D	36.	A
12.	D	37.	B
13.	A	38.	C
14.	A	39.	A
15.	B	40.	C
16.	C	41.	C
17.	C	42.	B
18.	D	43.	B
19.	C	44.	C
20.	C	45.	B
21.	C	46.	A
22.	D	47.	C
23.	C	48.	D
24.	B	49.	C
25.	B	50.	B