

# DELHI PUBLIC SCHOOL VASANT KUNJ

## HOLIDAY HOMEWORK

### CLASS VI (2026-27)

#### Dear Parents,

The vacation period offers a valuable opportunity for students to develop new skills and engage in meaningful learning beyond the classroom. It serves as an ideal time for children to explore their interests, express creativity, and enjoy a well-deserved break.

To make the most of this time, we have curated a set of enjoyable and educational assignments designed to reinforce learning in a fun and engaging manner. These tasks aim to strike a balance between creativity and academics, ensuring that students remain constructively occupied during the holidays.

We encourage students to complete the assignments independently, with parental support provided only when necessary. Let us continue working together towards the holistic development of our students.

**Note : For ENGLISH, MATHS & SCIENCE, answers to be done in the OMR sheets attached at the end**

### ENGLISH

Read **The Adventures of Feluda-The Emperor's Ring** by **Satyajit Ray** and answer the questions that follow-

Chapter 1:

- The main purpose of Feluda traveling to Lucknow is to:
  - solve a case about a missing ring.
  - visit relatives during a vacation.
  - learn about the history of the city.
  - purchase antiques for his collection.
- When Feluda first hears about the Emperor's Ring, his initial reaction is a:
  - disbelief that such a valuable item exists.
  - curiosity about its history and significance.
  - worry about the safety of such a valuable item.
  - disinterest because he is on vacation.
- Based on the description in the chapter, Lucknow is portrayed as:
  - a modern city with no historical significance.
  - a city with rich historical background and architecture.
  - a small village with few attractions.
  - an overcrowded metropolis.
- Topshe's relationship to Feluda is that of a:
  - brother
  - cousin
  - friend
  - student

5. Which skill does Feluda demonstrate in this chapter that shows why he is a good detective?
- A. His ability to run very fast.
  - B. His knowledge of local languages.
  - C. His keen observation of people and surroundings.
  - D. His fighting abilities.

Chapter 2:

6. The Emperor's Ring is valuable because:
- A. it is made of common metals.
  - B. it has historical significance related to an emperor.
  - C. it was recently made by a famous jeweler.
  - D. it has magical powers.
7. The owner of the Emperor's Ring is described as:
- A. very willing to show it to everyone.
  - B. careless about where he keeps it.
  - C. protective and cautious about its safety
  - D. unaware of its true value.
8. Which statement BEST describes the setting where the ring is kept?
- A. In a bank vault downtown.
  - B. In a home with some security measures.
  - C. On display in a museum.
  - D. Hidden in a secret location unknown to the family.
9. What makes Feluda suspicious that something might happen to the ring?
- A. The sudden appearance of strangers interested in the family.
  - B. The ring has already been stolen once before.
  - C. The owner asks Feluda to protect it.
  - D. There have been similar thefts in the neighborhood.

Chapter 3:

10. The suspicious visitor who comes to see the ring is most likely:
- A. a genuine collector interested in history.
  - B. a potential thief gathering information.
  - C. a relative of the ring's owner.
  - D. a local police officer.
11. According to the chapter, what unusual behavior does the visitor display?
- A. Asking too many questions about the ring's security.
  - B. Showing no interest in the ring at all.
  - C. Offering to buy other items but not the ring.
  - D. Speaking in a foreign language that no one understands.
12. When Feluda observes the visitor, he notices:
- A. only the visitor's clothes and appearance.
  - B. small details about behavior and questions that seem suspicious.
  - C. nothing unusual about the visitor.
  - D. that the visitor is someone he recognizes.
13. The owner's reaction to the visitor can be described as:



- A. is only interested in its monetary value.
- B. believes understanding history helps solve the case.
- C. wants to keep the ring for himself.
- D. doesn't care about the ring's past.

Chapter 6:

23. By this point in the story, the main suspects in the case include:
- A. only family members.
  - B. only strangers to the family.
  - C. a mix of family members, visitors, and others.
  - D. no clear suspects have emerged yet.
24. Feluda's method for identifying suspects involves:
- A. accusing everyone until someone confesses.
  - B. observing behaviors and collecting information.
  - C. setting traps to catch the thief.
  - D. relying solely on physical evidence.
25. Which character's behavior seems MOST suspicious according to Feluda?
- A. A family member who acts too concerned.
  - B. A visitor who asks too many questions about the ring.
  - C. A servant who has access to the house.
  - D. A neighbor who recently visited.
26. What evidence has Feluda gathered about the potential thief?
- A. Definite proof of who it is.
  - B. Small clues that begin to point to certain suspects.
  - C. Eyewitness accounts of the attempted theft.
  - D. A confession from the guilty party.

Chapter 7:

27. Feluda decides to keep a watch at night because:
- A. he enjoys staying up late.
  - B. he believes the thief will attempt to steal the ring at night.
  - C. the owner asked him to guard the ring.
  - D. he wants to catch up on his reading.
28. During the night watch, Feluda:
- A. falls asleep and misses important clues.
  - B. stays alert and observes suspicious activity.
  - C. leaves his post to investigate a noise.
  - D. gets scared by normal house sounds.
29. What unexpected event occurs during the night watch?
- A. The power goes out.
  - B. A strange noise is heard.
  - C. An animal enters the house.
  - D. Nothing unusual happens.
30. How does Topshe help during the night watch?
- A. He sleeps while Feluda watches.

- B. He takes turns watching with Feluda.
- C. He prepares food for Feluda.
- D. He is not mentioned in this chapter.

Chapter 8:

31. The ring disappears:
- A. during the daytime when everyone is busy.
  - B. while Feluda is away from the house.
  - C. despite increased security measures.
  - D. from a bank vault where it was stored.
32. The first person to notice the ring missing is:
- A. Feluda
  - B. the ring's owner
  - C. Topshe
  - D. a house servant
33. When the ring is discovered missing, Feluda's first action is to:
- A. call the police immediately.
  - B. accuse the most likely suspect.
  - C. carefully examine the scene for clues.
  - D. search everyone in the house.
34. Based on the evidence, how was the ring most likely taken?
- A. Through an open window.
  - B. By someone with access to where it was kept.
  - C. Using sophisticated theft tools.
  - D. During a distraction created by the thief.

Chapter 9:

35. Feluda decides to follow:
- A. the most obvious suspect.
  - B. a trail of physical evidence.
  - C. his instincts about the case.
  - D. the advice from the local police.
36. The trail leads Feluda and Topshe to:
- A. another part of Lucknow.
  - B. a different city altogether.
  - C. a historical monument.
  - D. the house of another suspect.
37. During their investigation, Topshe is mainly responsible for:
- A. leading the way and making decisions.
  - B. supporting Feluda and learning from him.
  - C. talking to witnesses.
  - D. keeping the owner informed.
38. What obstacle do Feluda and Topshe encounter while following the trail?
- A. Bad weather that makes it difficult to travel.
  - B. People who try to mislead them.
  - C. Loss of important evidence.
  - D. Illness that slows them down.

Chapter 10:

39. The antique shop is important to the case because:
- A. Feluda buys gifts from there.
  - B. it may be connected to the theft of the ring.
  - C. the owner suggested visiting it.
  - D. it has information about the ring's history.

40. In the antique shop, Feluda discovers:
- A. the stolen ring for sale.
  - B. items related to the case.
  - C. the shop owner is innocent.
  - D. nothing of importance.
41. The antique shop owner's reaction to Feluda's questions suggests:
- A. complete innocence and helpfulness.
  - B. some knowledge that might be useful.
  - C. possible involvement in the theft.
  - D. confusion about Feluda's questioning.
42. What strategy does Feluda use to get information at the antique shop?
- A. He threatens the owner.
  - B. He pretends to be a rich collector.
  - C. He asks direct questions about the case.
  - D. He secretly searches the shop.

#### Chapter 11:

43. The final clue that helps Feluda solve the case is:
- A. a fingerprint at the crime scene.
  - B. a small detail that others overlooked.
  - C. a witness coming forward.
  - D. a confession from the thief.
44. When Feluda discovers the final clue, his reaction is:
- A. surprised that he missed it earlier.
  - B. confident that he can now solve the case.
  - C. confused about what it means.
  - D. worried that he might be wrong.
45. Topshe's contribution to finding the final clue is:
- A. he actually discovers it himself.
  - B. he asks a question that helps Feluda think.
  - C. he has no role in finding it.
  - D. he remembers something important.
46. The final clue reveals information about:
- A. where the ring is hidden.
  - B. why the ring was stolen.
  - C. who took the ring.
  - D. all of the above.

#### Chapter 12:

47. The person who stole the ring turns out to be:
- A. a complete stranger.
  - B. someone they had suspected.
  - C. multiple people working together.
  - D. the information is not directly stated.
48. The thief's motivation for stealing the ring was:
- A. simply its monetary value.
  - B. its historical significance.

- C. personal reasons related to its history.
49. The ring is finally found:
- A. exactly where it was originally kept.
- B. in the thief's possession.
- C. in a hiding place.
- D. it is never recovered.
50. How does Feluda recover the ring?
- A. Through clever deduction and investigation.
- B. With the help from the police.
- C. By making a deal with the thief.
- D. By purchasing it back.

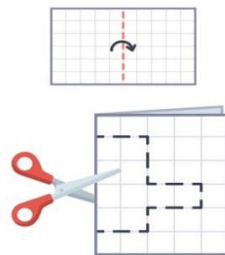
## Maths

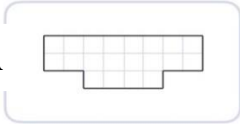
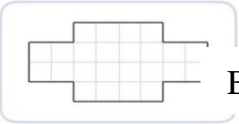
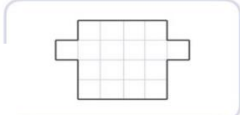
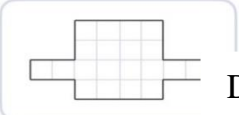
1. Fill in the blank to satisfy the following:-



- A. 5
- B. 6
- C. 4
- D. 7

2. Select the shape you will get if you fold a sheet of paper sheet as shown below and cut a piece out of it.



- A  B 
- C  D 

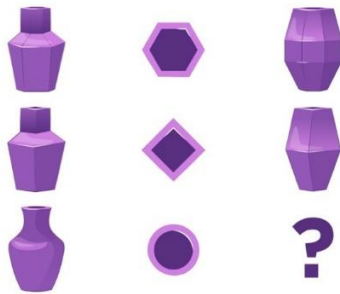
3. Which of the following is the next number in the series?

1, 2, 6, 24, 120, ...

A 729      B 720

C 625      D 676

4. Which of the following is the next in the pattern?



A



B



C



D



5. Who will be the first to drink water?



- A. Tom
- C. Sam

- B. Kate
- D. Tina

6. Which of the following will replace the two blanks to get the correct answer?

$$40 \square 34 \square 3 = 3$$

- A. +, -
- C. -, -

- B. -, +
- D. +, +

7. Which of the following cubes will the given net form?



A



B

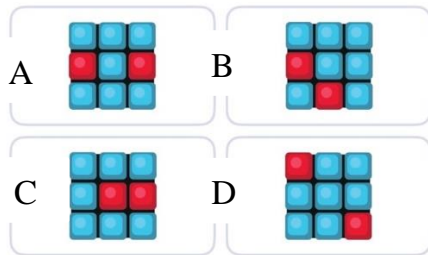
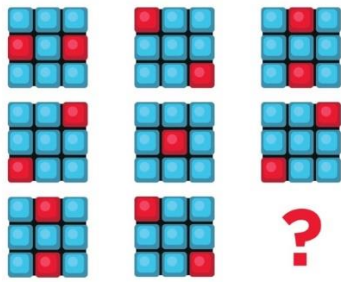


C



D:

8. Choose the correct answer.



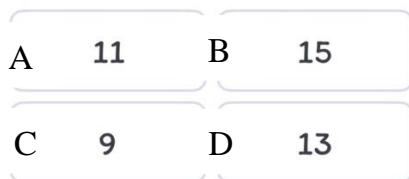
9. Which of the following is the correct answer?

$$\text{broccoli} + \text{broccoli} + \text{broccoli} = 30$$

$$\text{broccoli} + \text{corn} + \text{corn} = 18$$

$$\text{corn} - \text{carrot} = 2$$

$$\text{carrot} + \text{broccoli} + \text{corn} = ?$$



10. The following is the calendar of August of a year. What was the day on July 24<sup>th</sup> of the same year?

AUGUST						
S	M	T	W	T	F	S
			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	

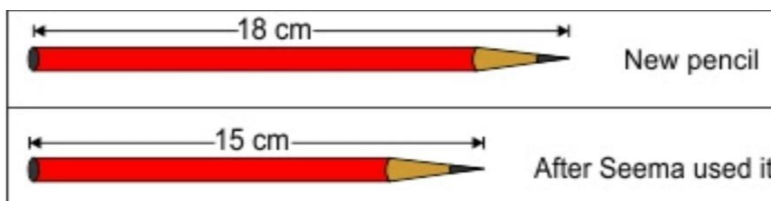
- A. Saturday  
 B. Sunday  
 C. Monday  
 D. Tuesday

11. Which digit should be put in the empty box so that the resulting number is between seven lakh three thousand and seven lakh four thousand?

7		3	0	6	8
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- A. 1  
 B. 0  
 C. 3  
 D. 4

12. The figure below show the length of a new pencil and its length after Seema used it for a day



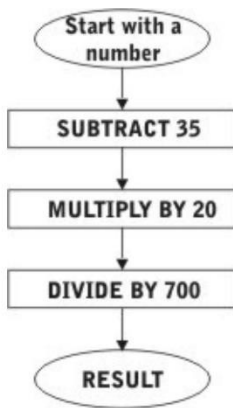
By what fraction of the original length did the length of the pencil reduce that day?

- A.  $\frac{1}{4}$   
 B.  $\frac{1}{5}$   
 C.  $\frac{1}{6}$   
 D.  $\frac{1}{18}$

13. A certain number is a multiple of 4. Which of the following MUST be a factor of this number?

- A. 16  
 B. 8  
 C. 6  
 D. 2

14. With what number should you begin the flow chart to end up with 2 as the result?



- A. 6965
- B. 105
- C. 75
- D. 35

15. Which of the number given below can go into the blank to make the statement true?

$$3.0407 < \text{_____} < 3.36$$

- A. 3.04
- B. 3.05
- C. 3.007
- D. 3.0398

16. Observe the pattern below (the alternate number form a pattern).

2,3,4,6,6,9,8,12,10,15,12,.....

The next two numbers in the series are

- A. 18, 14.
- B. 14,16.
- C. 12,18
- D. 12,14

17. Which of the following lengths can be measured accurately using a ruler like this one?



- A. 2.25 cm
- B. 4.3 cm
- C. 5.5 cm
- D. 8.1 cm



23. which of the following is the best estimate for the quotient  $9989997 \div 493$  ?

- A. 2000000
- B. 500000
- C. 200000
- D. 20000

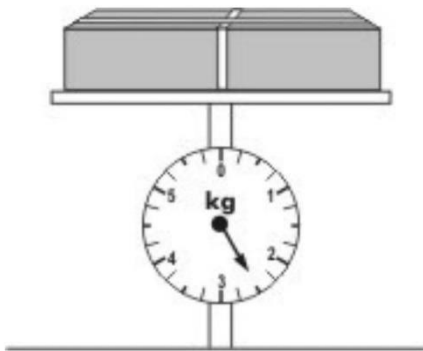
24. The pattern below are made with circles.



How many circles will be needed to make the **tenth** figure if the pattern are continued.

- A. 10
- B. 17
- C. 19
- D. 70

25. How much does the box weigh?

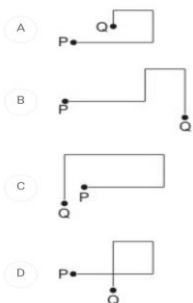


- A. 2kg 5g
- B. 2kg 50g
- C. 2kg 500g
- D. 3kg 500g

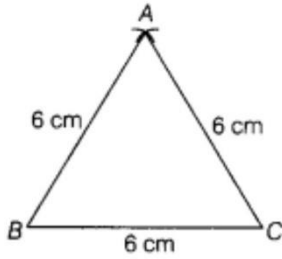
26. An ant starts from point P and walks 20 cm towards East. Next it walks 10 cm towards the North, then 10 cm towards the West and finally 15 cm towards the South to stop at a point Q.



Which of the figures best shows the path traced by the Ant from start to finish ?



27. Raman had a triangular wireframe with each side 6 cm long.



He opens it out to rebend the wire to form a square frame.



The length of each side ( in cm. of the square frame would be

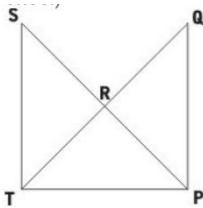
A. 3.5

B. 4.5

C. 5

D. 6

28. The figure below has to be drawn in ONE CONTINUOUS MOTION without lifting pencil from paper and without going over any part twice ( A corner can be crossed more than once..



Which of the following should be the starting point to make this possible?

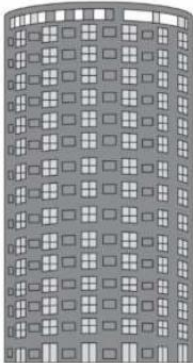
A. P

B. Q

C. R

D. S

29. The Figure below shows a building



A. Sphere

B. Cylinder

D. Rectangular pyramid

C. Triangular prism

30. How many edges are there in a ball?

- A. 1  
C. 2

- B. 4  
D. 0

31. The following series follows a fixed pattern: 2, 3, 3, 4, 4, 4, 5, 5, 5, 5, 6, ... If the pattern continues, determine how many times the number 9 appears in the NEXT 20 terms.

- A. 3  
C. 7

- B. 4  
D. 8

32. The following number series is based on a pattern. One term is incorrect. Identify the incorrect term. 2, 3, 6, 11, 18, 25, 38, 51, 66, 83

- A. 11  
C. 51

- B. 25  
D. 66

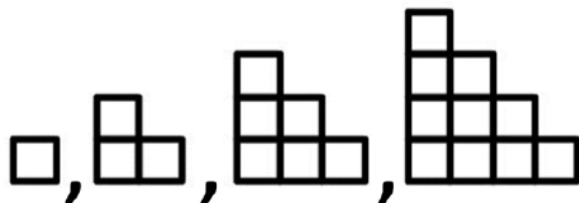
33. What will come in place of "?" in the given series? 1@3, #5#, 7@9, #11#, 13@15, ?, 19@21

- A. @17@  
C. 16#18

- B. #15#  
D. #17#

34. The first four terms of a block series are shown below.

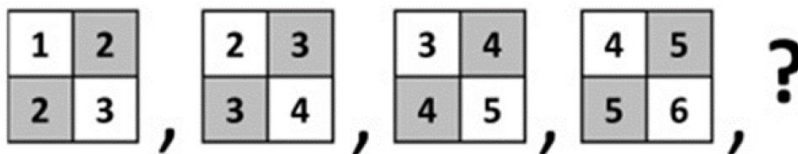
If the pattern continues in the same manner, which term of the series will be the first to contain more than 20 blocks?



- A. 5th term  
C. 7th term

- B. 6th term  
D. 8th term

35. What will come in place of "?" in the given series?



- A. 

5	6
6	8

- B. 

6	7
7	8

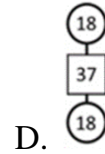
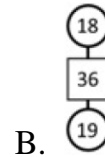
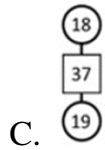
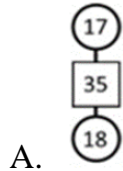
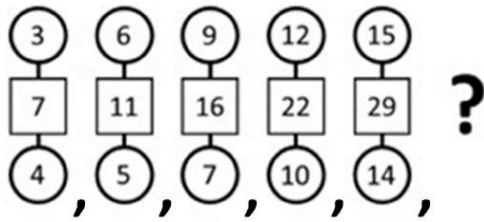
- C. 

6	7
7	7

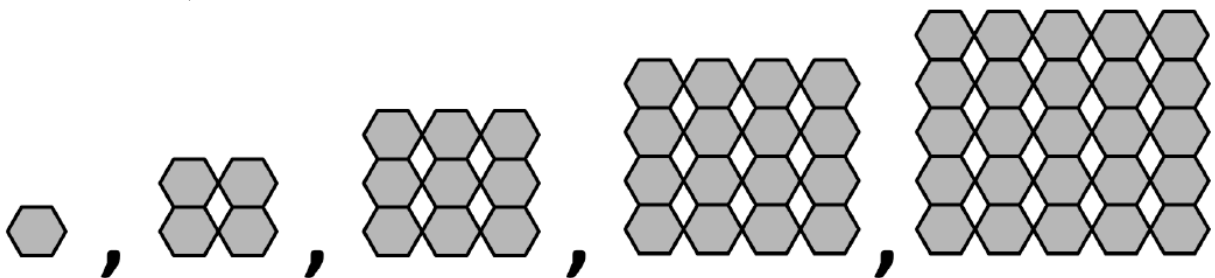
- D. 

5	6
6	7

36. What will come in place of "?" in the given series?



37. The first five terms of a series formed using grey hexagons and white diamonds are given below. If the same pattern continues, how many diamonds will be present in the term where the number of hexagons is 144?



- A. 100  
C. 121

- B. 135  
D. 169

38. Given below are two sets of numbers, P and Q. Which number from Set P can be interchanged with a number from Set Q such that both new sets follow a particular series or pattern?

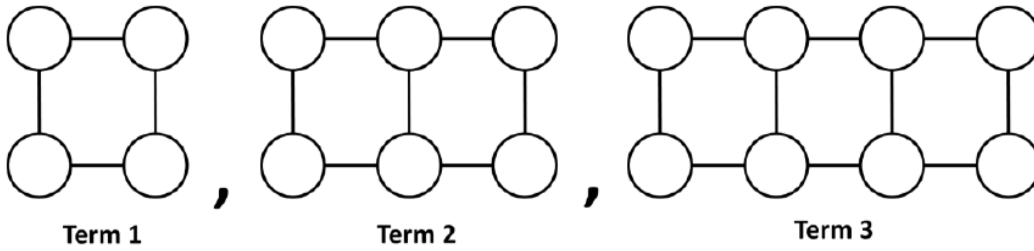
Set P: (18, 22, 24, 27, 30).

Set Q: (21, 24, 27, 31, 36).

- A. 18  
C. 22

- B. 27  
D. 30

39. The first three terms of a series of circles are shown below. If the pattern continues in the same manner, how many circles will be there in term 91?



- A. 184  
C. 194

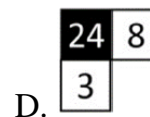
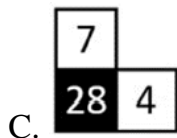
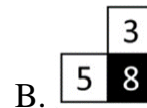
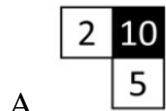
- B. 180  
D. 204

40. A pyramid has to be formed by combining cubes. Every level will have two fewer cubes than the level below it. If a pyramid is formed using at most 30 cubes, what is the maximum number of levels it can have?

- A. 3  
C. 5

- B. 4  
D. 6

41. Find the ODD one out.



42. If "X" is a number formed by the addition of two or more DIFFERENT single-digit prime numbers, which of the following options CANNOT be a value of the number "X"?

- A. 8  
C. 11

- B. 10  
D. 15

43. The sum of three consecutive natural numbers is equal to Y. Which of the following numbers will Y always be divisible by?

- A. 3  
C. 4

- B. 2  
D. Cannot be determined

44. A two-digit number is 1 more than a multiple of 3. How many different possible values can it have?

- A. 29  
C. 31

- B. 30  
D. 32

45. The product of a number 'PQ' and 7 is 'RSQ', where P, Q, R, and S are distinct digits. Which of the following CANNOT be the possible value of 'RSQ'?

- A. 210  
C. 420

- B. 315  
D. 105

46. Nausheen thinks of 5 consecutive numbers. 3 of these numbers are prime and 3 of these are even numbers. What is the sum of these numbers?

- A. 10  
B. 15  
C. 20  
D. Cannot be determined

47. In a certain language, if 3 is coded as 'free', 5 is coded as 'dive', 10 is coded as 'hen', then what could be the possible code for the PRIME FACTOR of 169, in the same language?

- A. heighten  
B. throwing  
C. routine  
D. titan

48. If "X" is a number formed by the multiplication of 2 single-digit prime numbers, which of the following options is ALWAYS TRUE about the number "X"?

- A. The number "X" cannot be even  
B. The number "X" is a 2-digit number  
C. The number "X" is a multiple of 4  
D. The number "X" is less than 50

49. In the letter grid below, the spelling of which prime number is immediately followed by the spelling of its succeeding number in the number series?

ONEFIIVESIXTWO THREENINETENELEVN TWELVEONEFOURSIXSEVEN

- A. 3  
B. 5  
C. 11  
D. 2

50. Alex, Jim, and Sam were born on prime-numbered dates in the same month and year. Sam was born on a Friday, and the month started on a Sunday.

- The difference between the dates of Alex's and Jim's birthdays is 20
- Jim was born 10 days after Sam

On which day of the week was Alex born?

- A. Thursday  
B. Wednesday  
C. Tuesday  
D. Saturday

## SCIENCE

1. Evaporation is the process of a liquid (like water) changing into a gaseous state. Which of the following observations can be explained by the process of evaporation?

1. Water spilled on the floor dries up after some time.
2. Sweat from our skin disappears when we sit under a fan.
3. Water from the ocean changes into gas and forms clouds.

- A. only 1  
B. only 3  
C. only 1 and 3  
D. 1, 2 and 3

2. One level teaspoon of sugar contains 16 calories and 4g of carbohydrates. Calories here refers to \_\_\_\_\_.
- A. amount of food
  - B. proteins the food gives
  - C. the energy the food contains
  - D. a type of nutrient like proteins and carbohydrates
3. Mushrooms grow in the ground like plants. But scientists say mushrooms are not really plants. Which of the following is MOST appropriate reason for this?
- A. They can move around
  - B. They have roots and stem
  - C. They reproduce through seeds
  - D. They lack chlorophyll and do not make food
4. Lion lives in a habitat shown below. If you are designing a habitat for lions in a zoo, what kind of environment should you provide to match its natural habitat?



- A. A cold, snowy environment.
  - B. A wetland area with lots of mud
  - C. A dry, open area with grass and few trees
  - D. A densely forested area with grass and few trees
5. Ice at the polar region is melting fast. What could happen to polar bears if the ice keeps melting?



- A. They will migrate to the desert
  - B. They will lose their habitat
  - C. They will hibernate longer
  - D. It will become easier for them to find food
6. Ravi visited an aquarium and observed that fish continuously open and close their mouth. Why do fish do this?



- A. To chew their food faster
  - B. To play with other fish
  - C. To take in water so their gills can extract oxygen
  - D. To make sounds underwater
7. Which of the following is correct for respiration in plants?
- A. Respiration takes place only during day time.
  - B. Respiration takes place only during night.
  - C. Respiration takes place both during day and night.
  - D. Respiration takes place only when plants are not making food.

8. If a frog's habitat was a desert, which of these would be the MOST helpful adaptation for it to survive?
- A. brighter skin colour
  - B. Thinner skin for better breathing
  - C. Thicker skin to keep moisture in
  - D. webbed feet for swimming
9. Observe the leaves of the rhododendron tree. They appear thick and waxy. What is the purpose of this adaptation?

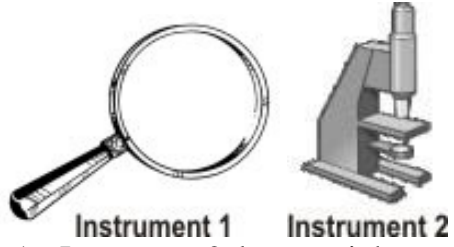


- A. To trap more sunlight for photosynthesis
- B. To protect the plant from animals
- C. To help plants float in water
- D. To reduce water loss in cold, dry conditions

10. **Assertion:** Parallel venation is common in monocot plants like grasses and lilies.  
**Reason:** In parallel venation, all the veins run parallel to each other from the base to the tip of the leaf.

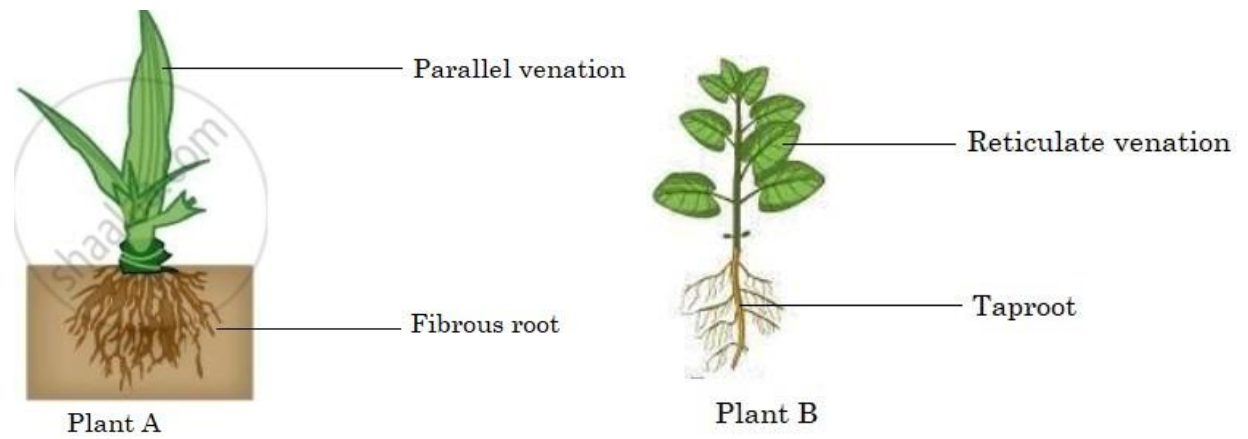
- A. Both A and R are true, and R is the correct explanation of A
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is true, but R is false
- D. A is false, but R is true

11. Rajni wants to read some printed matter that is not clearly visible to the naked eye. Which of the instruments (given in the picture below) would be most appropriate for this purpose? Magnification means the process of enlarging the size of something.



- A. Instrument 2, because it has more magnification than Instrument 1
- B. Instrument 2, because it has a focusing mechanism different from Instrument 1
- C. Both instrument 1 and instrument 2 are suitable for the purpose; we can use whichever is available
- D. Instrument 1, because it has proper magnification for the required purpose, and will be easier to use

12. Rina observed two plants - plant A and plant B in her garden as shown in the figure below:



Based on her observations, which of the following is likely to be true?

- A. Plant A has two cotyledons and Plant B has one cotyledon
- B. Plant A has one cotyledon and Plant B has two cotyledons
- C. Both plants have the same number of cotyledons
- D. Cotyledons do not relate to type of roots or leaf venation

13. Aryan placed two seeds—one in a pot with soil and water, and the other in a pot with only dry soil. After a few days, only the first seed sprouted.

What can we understand from this observation?

- A. Soil is not necessary for a seed to sprout
- B. Water is essential for seed germination
- C. Seeds can grow even without water
- D. Light is more important than water for germination

14. Ravi believes that all changes caused by heating can be reversed. To test his idea, he heated the following:
- Ice → Water
  - Butter → Melted butter
  - Dough → Roti

Which of these supports that Ravi's belief is not always correct?

- A. Ice turning to water
- B. Butter melting
- C. Dough turning into roti

15. Tarun thinks we only breathe in oxygen and breathe out carbon dioxide. But his teacher says the air we breathe in and out contains both gases.

Which of the following explains this better?

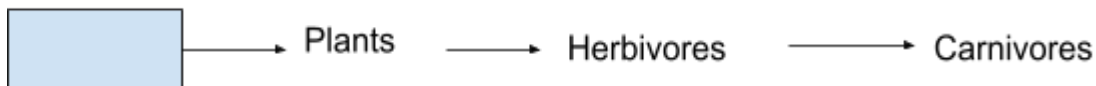
- A. We only use carbon dioxide, not oxygen
- B. We breathe in pure oxygen
- C. The air around us is only carbon dioxide
- D. We inhale mostly oxygen, but still take in some carbon dioxide and exhale both

16. Rahul says polar bears live in cold places because their white fur keeps them warm. His friend says color doesn't keep them warm, it's the fat and fur.

Who is correct and why?

- A. Rahul is right; white color produces heat
- B. His friend is right; thick fur and fat trap heat
- C. Both are right; color and fur both keep them warm
- D. Polar bears don't feel cold at all

17. The food chain shows us the flow of energy from a source to a user.



What should come in place of an empty box?

- A. Soil
- B. Water
- C. The Sun
- D. Human beings

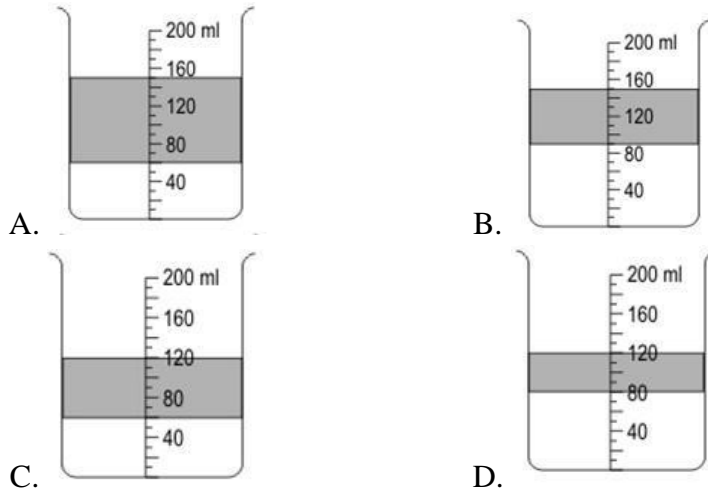
18. Which tool is a simple machine that helps us lift heavy objects with less effort?

- A. Magnet
- B. Lever
- C. Pulley
- D. Both B and C

19. There are two beakers having oil and water as shown below. The oil is of a type that floats on water and does not mix with it.



If all the water from the first beaker is poured into the beaker of oil, what will be the level in the second beaker?



20. Priya planted seeds in **sandy soil** and expected them to grow well because sand is “clean and dry.” However, the seeds didn’t sprout. What misconception did she have?
- Seeds don’t need soil to grow
  - Sandy soil is always best for all plants
  - Sandy soil doesn’t retain enough water for germination
  - Dry soil is best for plants
21. Ravi was helping his mother in the kitchen. He noticed that most of the cooking utensils were made of stainless steel. Why is stainless steel commonly used for making utensils?
- It is soft, light and breaks easily
  - It is a good conductor of heat, strong and rustproof
  - It absorbs water easily, bad conductor of heat and lustrous
  - It is durable, lustrous, a good conductor of heat and electricity
22. During a rainy day, Anu observed that the raincoats and umbrellas are made of some special material. Which property of raincoat material do you think will make it useful during rain?
- Transparency
  - Waterproof nature
  - Conduction of heat
  - Flexibility
23. Why is aluminum foil used for wrapping sweets?
- It is waterproof, flexible, and non-reactive
  - It is transparent and brittle
  - It absorbs moisture easily
  - It breaks into pieces on folding
24. Which of these is not a correct pairing?
- Candle – made of wax (floats on water)

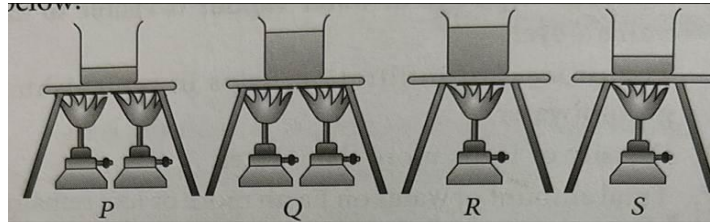
- B. Glass lamp – transparent and brittle
  - C. Plastic decoration – biodegradable and eco-friendly
  - D. Aluminium foil – malleable and shiny
25. Why can't a tumbler used to store water be made of cloth?



- A. It is not transparent
  - B. It is not waterproof
  - C. It is not hard enough
  - D. It is not compressible
26. Based on properties of the materials, which of the following objects is made of a material that is opaque, lustrous and typically hard?



- A. Copper kettle
  - B. The wooden chair
  - C. Ceramic jar
  - D. Conical glass flask
27. During summers water is kept in an earthen pot. The water remains cold for a long period of time. This is mainly due to the phenomenon of
- (A) Evaporation
  - (B) Condensation
  - (C) Expansion
  - (D) None of these.
28. We cannot rely on our sense of touch for measuring hotness or coldness of object because it depends on
- (A) temperature of our skin
  - (B) temperature of the environment
  - (C) Both (A) and (B)
  - (D) Neither (A) nor (B)



29. 4. The correct order in which water gets completely evaporated from the beakers is

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

30. Which of the following celestial bodies is primarily composed of gas, dust and ice and develops a visible tail when close to the Sun?

- (A) Asteroid
- (B) Planet
- (C) Comet
- (D) satellite

31. Which of the following statements) is/are correct regarding artificial satellites?

- I. They revolve around the Earth much closer than Earth's natural satellite.
- II. They are used for weather forecasting, long distance communication and remote sensing
- III. They are not used for telecommunication.

- (A) I only
- (B) I and II only
- (C) II only
- (D) I, II and III

32. Which of the following represents the correct sequence of celestial bodies according to their size.

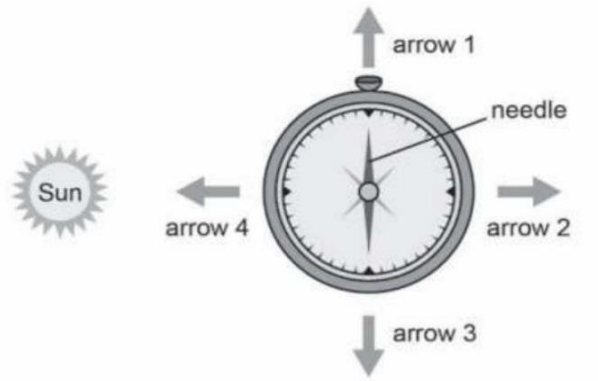
- (A) Galaxy > Universe > Solar system > Moon > Earth
- (B) Universe > Solar system > Galaxy > Planets > meteors
- (C) Universe > Galaxy > Solar system > Planets > Satellites
- (D) Galaxy > Universe > Solar system > Comets > Planets

33. A tight metal lid on a jar of jam loosens when it is held in hot water because the hot water causes the \_\_\_\_\_.

- A. Glass jar to contract.
- B. Metal lid to contract.
- C. Glass jar to expand more than the metal lid.
- D. Metal lid to expand more than jar

34. The picture shows a magnetic compass and the Sun to its east. The four arrows' points in different directions.

Which arrow is pointed towards the South?



- A.Arrow 1
- B.Arrow 2
- C.Arrow 3
- D.Arrow 4

35.Riya is cleaning her house. She finds a banana peel, a plastic bottle, and an old newspaper. Based on the picture, into which bins should she put these items?

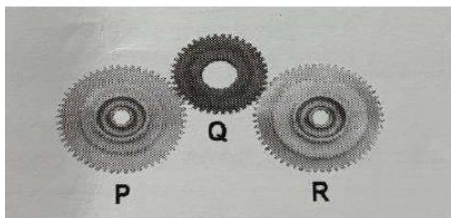
- A. Banana peel in Organic, Plastic bottle in Paper, Newspaper in Plastic
- B. Banana peel in Plastic, Plastic bottle in Organic, Newspaper in Paper
- C. Banana peel in Organic, Plastic bottle in Plastic, Newspaper in Paper
- D. Banana peel in Paper, Plastic bottle in Organic, Newspaper in Plastic

36. Which of the following can be said about their weights?



- A. Kavita is heavier than Rishabh.
- B. Rishabh is heavier than Kavita.
- C. They both weigh the same.
- D. (Cannot say without knowing their height)

37.Shown below is a set of gears inside a clock. These gears move in circles so that the The clock's hands move continuously.



Which of the following is TRUE about the direction in which these gears rotate?

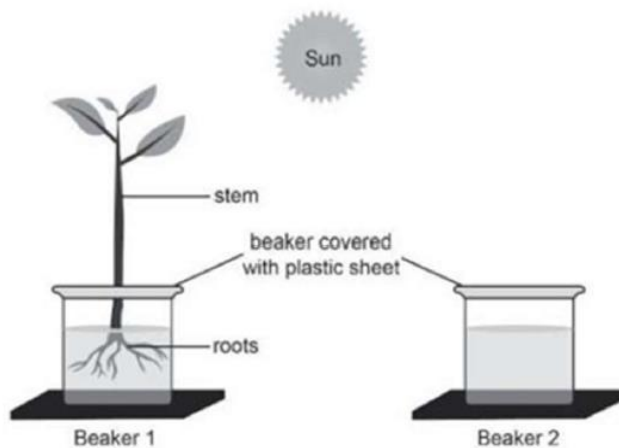
- A. All three gears move clockwise.
- B. All three gears move anti-clockwise.
- C. If gear P moves clockwise, gear Q will move anti-clockwise.
- D. If gear P moves clockwise, gear R will move anti-clockwise.

38. Radha placed a glass of water on a table in her room and saw water droplets form on the outside of the glass.

What can be said about the temperature of the water in the glass as compared to the room temperature?

- A. It is lower.
- B. It is higher.
- C. It is the same.
- D. (Cannot say without knowing the exact room temperature.)

39. Sudha fills two beakers with equal amounts of water. She places a plant in beaker 1 with the roots of the plant dipped in water. She tightly covers the mouths of both the beakers with plastic sheets. She leaves the beakers in sunlight and notes the amount of water in each beaker after 3 days.

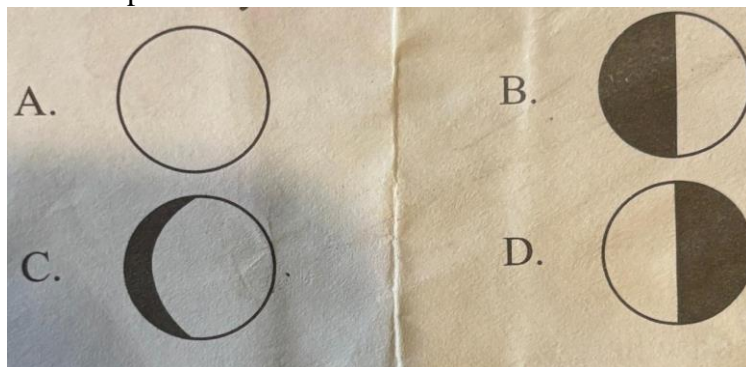


What is Sudha trying to find out?

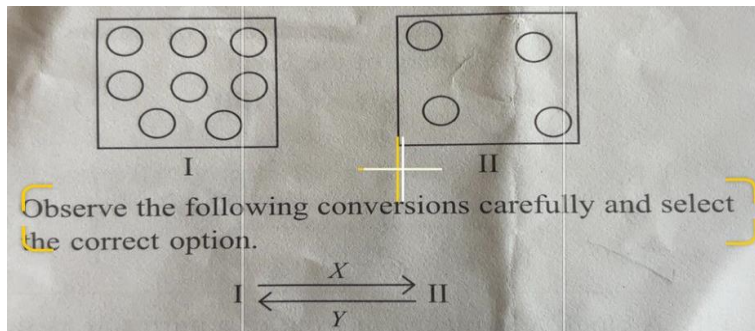
- A. Plants need water to live.
  - B. Plant roots absorb water.
  - C. Water helps plants to stand straight.
  - D. Evaporate is faster in sunlight
40. Two liquids P and Q are such that P is miscible, while Q is immiscible with water. P and Q can be respectively.
- A. Glycerine and coconut oil
  - B. Vinegar and lemon juice
  - C. Chalk powder and sand
  - D. Mustard oil and milk.

41. Sharanya observed the New Moon on 20th March, 20XX.

What shape of Moon will she observe on 31st March of the same year?

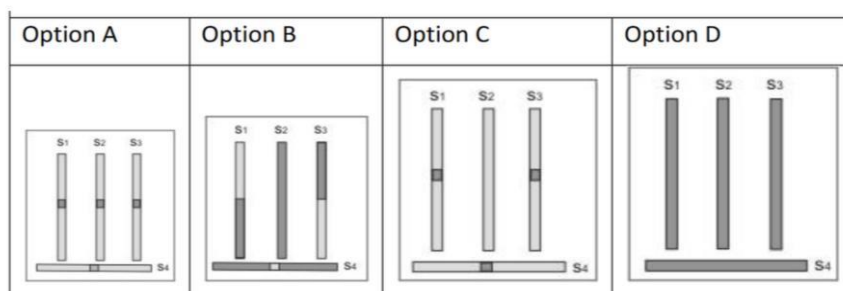
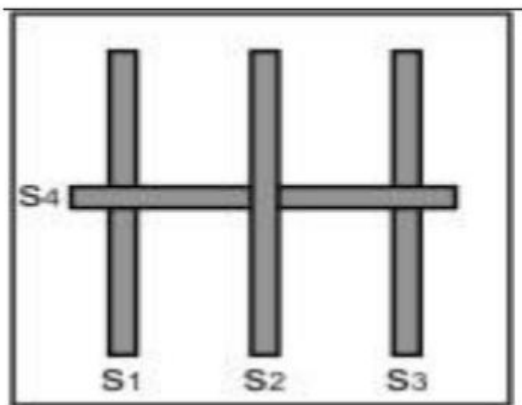


42. Rohit, a science teacher has drawn the diagrams showing the arrangement of particles in two different states of water.



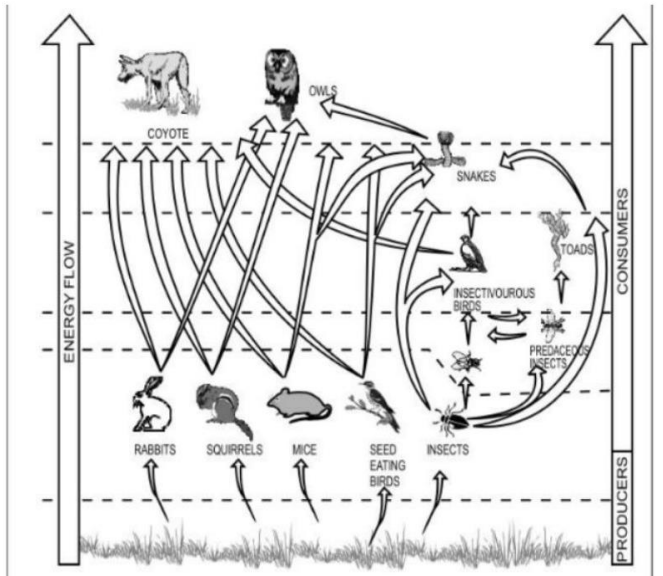
- |               |                 |
|---------------|-----------------|
| A. I-Solid    | Y- Condensation |
| B. I-Liquid   | X- Freezing     |
| C. II- Liquid | Y- Evaporation  |
| D. II- Gas    | X- Evaporation  |

43. Four strips of cloth of the same colour and quality were made to overlap each other (as shown in the figure) and were placed in the sun for 15 days. It is found that the colour has faded especially in the exposed positions. If the four strips are now separated, what will they look like?

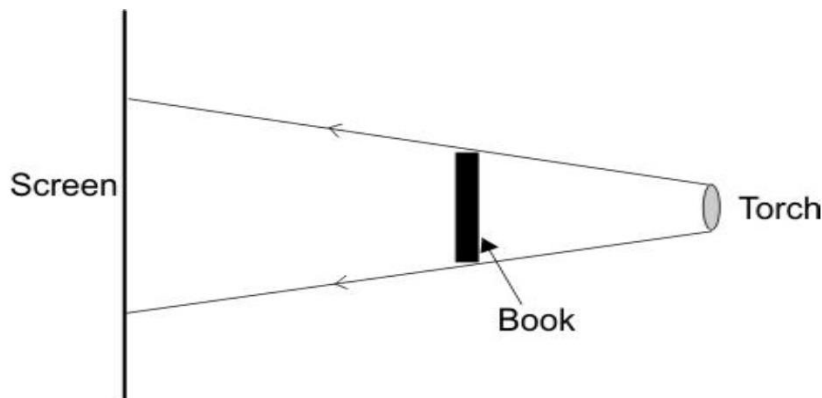


44. The shopkeeper stores salt in a container made of cloth. What could go wrong?
- The salt might freeze
  - The salt could leak or get wet
  - The container will get heavy
  - The salt will become sweet
45. You are given a spoon made of plastic and another made of steel. If you are cooking something hot, which one would you prefer to stir with and why?
- Steel, because it looks shiny

- B. Plastic, because it melts quickly
  - C. Plastic, because it doesn't conduct heat easily
  - D. Steel, because it is heavier than plastic
46. Riya left a glass of cold water on a table in a warm room. After one hour, the water was no longer cold. Why?
- A. Water evaporated
  - B. The glass broke
  - C. Water gained heat from the surroundings
  - D. Ice was added to water
47. Shown below is a FOOD WEB. The arrows in the food web indicate flow of energy. Study it carefully and answer the question. Apart from showing the flow of energy,



- A. Point FROM that which is eaten TO that which eats it.
  - B. Point TO that which is eaten FROM that which eats it.
  - C. Point FROM smaller animals TO bigger animals that live in the same place.
  - D. Point FROM animals that have fewer babies TO those that have more.
48. The shadow will be bigger if\_\_



- A. The book is moved towards the screen.
- B. The screen is moved towards the book.
- C. The book and screen are moved away from the torch.
- D. The torch is moved towards the book.

49. What would most likely happen if Earth's rotation slowed down significantly?
- A. The length of a year would decrease.
  - B. Days and nights would become longer.
  - C. The seasons would stop changing.
  - D. Gravity on Earth would disappear
50. Which of the following would happen if all green plants disappeared from Earth?
- A. More oxygen would be produced
  - B. Only animals would survive
  - C. Life on Earth would be unaffected
  - D. There would be no food and oxygen for animals

## **SOCIAL SCIENCE**

### **General Instructions**

- Complete all tasks neatly in a separate notebook / file folder.
- Use colours, pictures, and creativity.
- Write in your own words.
- Submit after holidays with a cover page.
- Choose ANY ONE activity from the following and do it.

### **MY WORLD AROUND ME**

#### **ACTIVITY 1 : Landforms & Life: Model / Poster**

Make a 3D model or chart showing:

- Mountains / Plains / Plateaus
- Label features and write 3 points about each

### **OUR PAST**

#### **Activity 2: “Create Your Own Ancient Tool Kit”**

##### **Part 1: Model Making of Artefacts**

###### **□ Instructions:**

Students will create 2–3 models of ancient tools using simple materials.

###### **Suggested Tools to Make:**

Hand Axe (stone cutting tool)

Spear (hunting tool)

Scraper (cleaning animal skin)

Arrow (for hunting)



### Part 3: Explanation Card (Attach with Toolkit)

Students must write (in 4–5 points):

What do these tools tell us about early humans?

## INDIA-CULTURE & HERITAGE

### Activity 3: Poster Making

Make a poster on:

- “Unity in Diversity” OR “My Culture”
- Use drawings, symbols and slogans.

### हिन्दी

9. पौष्टिक व संतुलित भोजन पर आधारित तालिका (Menu Card) बनाइये –
  - . सुबह का नाश्ता -
  - . दोपहर का भोजन -
  - . रात्रि का भोजन -
२. कोई एक शिक्षाप्रद कहानी पढ़िए। कहानी का नाम तथा उससे मिलने वाली शिक्षा भी लिखिए।
३. प्रतिदिन हिंदी के दो नए शब्द सीखिए तथा उनसे अपना शब्द भंडार बढ़ाइए।
४. “ जी - २० का नारा है, प्रकृति को बचाना है।”  
‘प्रकृति’ अथवा ‘प्रकृति का संरक्षण’ विषय पर कविता लिखिए तथा A-४ साईज रंगीन कागज पर (संबंधित चित्र भी चिपकाइए)  
प्रस्तुति समय - २ मिनट

### संस्कृत

किन्ही पाँच पशुओं के नाम, पक्षियों के नाम और फलों के नाम संस्कृत में तथा हिन्दी में A.४ साईज रंगीन कागज पर लिखिए तथा चित्र बनाइए या चिपकाइए।

Name of Student: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Subject: \_\_\_\_\_

1. (A) (B) (C) (D)	17. (A) (B) (C) (D)	34. (A) (B) (C) (D)
2. (A) (B) (C) (D)	18. (A) (B) (C) (D)	35. (A) (B) (C) (D)
3. (A) (B) (C) (D)	19. (A) (B) (C) (D)	36. (A) (B) (C) (D)
4. (A) (B) (C) (D)	20. (A) (B) (C) (D)	37. (A) (B) (C) (D)
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6. (A) (B) (C) (D)	22. (A) (B) (C) (D)	39. (A) (B) (C) (D)
7. (A) (B) (C) (D)	23. (A) (B) (C) (D)	40. (A) (B) (C) (D)
8. (A) (B) (C) (D)	24. (A) (B) (C) (D)	41. (A) (B) (C) (D)
9. (A) (B) (C) (D)	25. (A) (B) (C) (D)	42. (A) (B) (C) (D)
10. (A) (B) (C) (D)	26. (A) (B) (C) (D)	43. (A) (B) (C) (D)
11. (A) (B) (C) (D)	27. (A) (B) (C) (D)	44. (A) (B) (C) (D)
12. (A) (B) (C) (D)	28. (A) (B) (C) (D)	45. (A) (B) (C) (D)
13. (A) (B) (C) (D)	29. (A) (B) (C) (D)	46. (A) (B) (C) (D)
14. (A) (B) (C) (D)	30. (A) (B) (C) (D)	47. (A) (B) (C) (D)
15. (A) (B) (C) (D)	31. (A) (B) (C) (D)	48. (A) (B) (C) (D)
16. (A) (B) (C) (D)	32. (A) (B) (C) (D)	49. (A) (B) (C) (D)
	33. (A) (B) (C) (D)	50. (A) (B) (C) (D)

Name of Student: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Subject: \_\_\_\_\_

1. (A) (B) (C) (D)	17. (A) (B) (C) (D)	34. (A) (B) (C) (D)
2. (A) (B) (C) (D)	18. (A) (B) (C) (D)	35. (A) (B) (C) (D)
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	33. (A) (B) (C) (D)	50. (A) (B) (C) (D)

Name of Student: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Subject: \_\_\_\_\_

1. (A) (B) (C) (D)	17. (A) (B) (C) (D)	34. (A) (B) (C) (D)
2. (A) (B) (C) (D)	18. (A) (B) (C) (D)	35. (A) (B) (C) (D)
3. (A) (B) (C) (D)	19. (A) (B) (C) (D)	36. (A) (B) (C) (D)
4. (A) (B) (C) (D)	20. (A) (B) (C) (D)	37. (A) (B) (C) (D)
5. (A) (B) (C) (D)	21. (A) (B) (C) (D)	38. (A) (B) (C) (D)
6. (A) (B) (C) (D)	22. (A) (B) (C) (D)	39. (A) (B) (C) (D)
7. (A) (B) (C) (D)	23. (A) (B) (C) (D)	40. (A) (B) (C) (D)
8. (A) (B) (C) (D)	24. (A) (B) (C) (D)	41. (A) (B) (C) (D)
9. (A) (B) (C) (D)	25. (A) (B) (C) (D)	42. (A) (B) (C) (D)
10. (A) (B) (C) (D)	26. (A) (B) (C) (D)	43. (A) (B) (C) (D)
11. (A) (B) (C) (D)	27. (A) (B) (C) (D)	44. (A) (B) (C) (D)
12. (A) (B) (C) (D)	28. (A) (B) (C) (D)	45. (A) (B) (C) (D)
13. (A) (B) (C) (D)	29. (A) (B) (C) (D)	46. (A) (B) (C) (D)
14. (A) (B) (C) (D)	30. (A) (B) (C) (D)	47. (A) (B) (C) (D)
15. (A) (B) (C) (D)	31. (A) (B) (C) (D)	48. (A) (B) (C) (D)
16. (A) (B) (C) (D)	32. (A) (B) (C) (D)	49. (A) (B) (C) (D)
	33. (A) (B) (C) (D)	50. (A) (B) (C) (D)