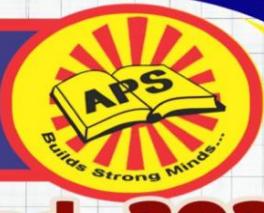


**ADARSH**  
Group of Schools Ch. Dadri



## **Maths & Science Olympiad–2026**

NAME- \_\_\_\_\_ FATHER'S NAME- \_\_\_\_\_

ROLL NO.- \_\_\_\_\_ CLASS- 3<sup>rd</sup>

MOBILE NO.- \_\_\_\_\_ INVIGILATOR SIGN. - \_\_\_\_\_

TIME- 90 Min. MM- 70

### **SUBJECT- MATHEMATICS & REASONING**

**Q1. Consider the following statements.**

**Statement 1:** A number which is exactly divisible by 2 is always a composite number.

**Statement 2:** A number which is exactly divisible by 2 is always an even number.

**Which one of the following is correct about the above statements?**

- a) statement 1 is true and 2 is false.
- b) Statement 1 is false and 2 is true
- c) Both statements are true.
- d) Both statements are false

**Q2. Which of the following options is a set of equivalent fraction?**

- a)  $\frac{2}{5}, \frac{4}{5}, \frac{6}{10}, \frac{12}{18}$
- b)  $\frac{4}{5}, \frac{8}{10}, \frac{12}{18}, \frac{14}{20}$
- c)  $\frac{3}{5}, \frac{4}{10}, \frac{8}{12}, \frac{12}{16}$
- d)  $\frac{3}{5}, \frac{6}{10}, \frac{9}{15}, \frac{12}{20}$

**Q3. Identify the magic square in which the three number in each row, column and diagonal add up to the same total.**

a)

6	2	7
6	5	4
3	9	4

b)

5	11	4
3	8	9
13	1	7

c)

5	13	6
9	8	7
10	3	11

d)

7	12	5
5	8	11
12	4	9

**Q4. Mansi formed the largest four digit number by using 3, 6, 0, 2 (each digit only one). The number name of the number formed by her is \_\_\_\_\_.**

- a) Two thousand three hundred six
- b) Six thousand three hundred two
- c) Six thousand three hundred twenty
- d) Six thousand two hundred three

**Direction(Q-5,6):**

**The performance of a student in 1st term and 2nd term examinations is given. Read it carefully and answer the questions.**

Subject	1 <sup>st</sup> term (MM 100)	2 <sup>nd</sup> term (MM 100)
English	60	62
Hindi	70	75
Maths	18	82
Science	81	85
Social Science	94	86

**Q5. In which subject has the student improved his performance the most?**

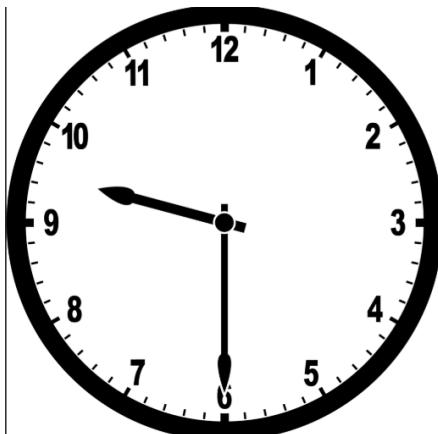
- a) Hindi.
- b) Science
- c) Social Science
- d) Maths

**Q-6. What is the total sum of the marks of Second Term?**

- a) 490
- b) 390
- c) 323
- d) 380

**Q7. Shivani has 3684 seashells. She divides the number of shells equally between her brother and her sister. If her sister loses 785 seashells, then how many seashells are left with Shivani's sister?**

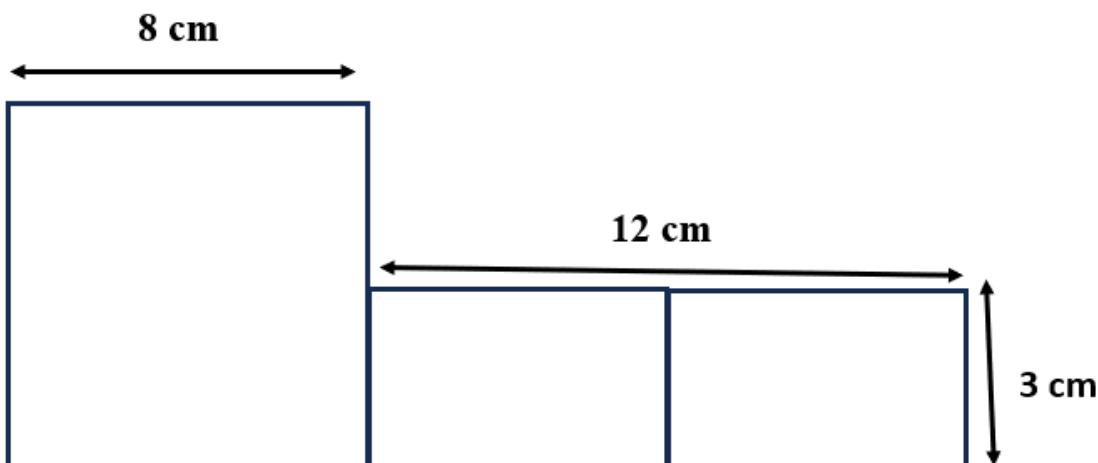
**Q-8. See the clock and identify the incorrect time given below.**



**Q9. Which one of the following is correct about the order property of multiplication?**

- a)  $M \times N = N \times M$
- b)  $M \times A = N \times B$
- c)  $M \times B = N \times A$
- d) Both a and b

**Q10. The figure shown below consists of one square and two rectangles. Calculate the perimeter of the entire figure.**



- a) 56 cm
- b) 62 cm
- c) 60 cm
- d) 58cm

**Q11. The greatest 3-digit number is the predecessor of the smallest 4-digit number.**

- a) True
- b) false
- c) maybe
- d) cannot say

**Q12. Which of the following statements is/are correct.**

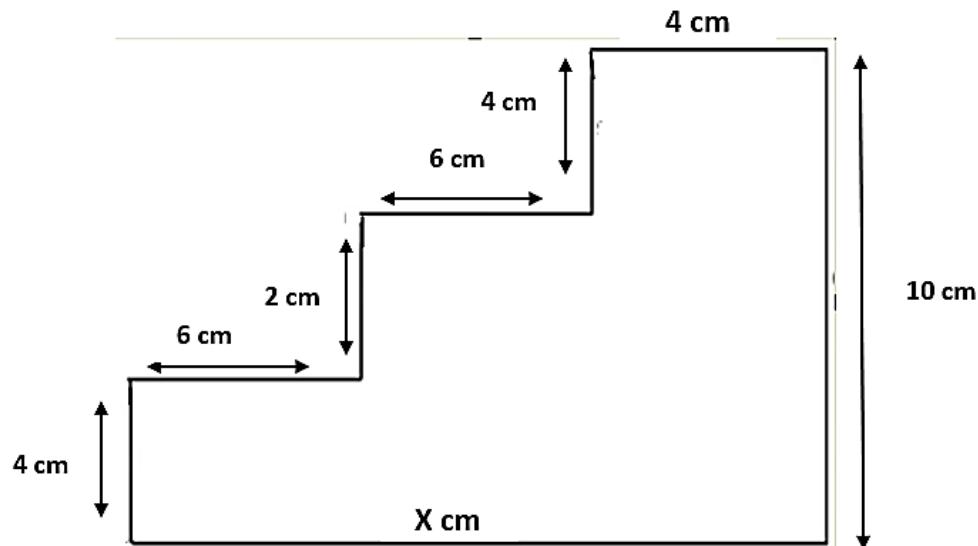
**P: Cylinder has three faces**

**Q: The sum of the faces of cube and a cuboid is 12.**

**R: A ray has two end points.**

- a) Only P
- b) Only Q
- c) Both P and Q
- d) Both Q and R

**Q13. If the total length of the boundary of the given figure is 52 CM, then find the value of X.**



- a) 16
- b) 12
- c) 18
- d) 14

**Q14. The value of P in the given statement is.....**

₹ 100 - ₹ 23

+

₹ 31 - ₹ 12

-

₹ 45

₹ P

- a) Rupees 49
- b) Rupees 51
- c) Rupees 50.
- d) Rupees 52

**Q15. What is the Product of 56 and the Smallest factor of 8 is**

\_\_\_\_\_?

### **Q16. Read the recipe given below.**

## Ingredients for making lemon tea.

\*50 ml of lemon juice.

\*1150 ml of tea.

\*440 ml of sugar syrup.

**Mahi mixed all the ingredients together to make some lemon tea. She then poured the lemon tea into 8 cups. What was the volume of lemon tea in each cup?**

**Q17. Rihan bought 19 books for rupees 9 each and 16 erasers, each costing rupees 6. If he gives rupees 500 to the shopkeeper, how much does he have left?**

- a) Rupees 263
- b) Rupees 223
- c) Rupees 213
- d) Rupees 233

**Q18. Which symbol of Roman Numeral cannot be repeated?**

**Q19 Find the value of P, Q and R**

$$\text{i}) \frac{4}{13} + \frac{7}{13} = P$$

$$(ii) \frac{8}{15} - \frac{4}{15} = Q$$

$$(iii) \frac{4}{10} + \frac{3}{10} + \frac{2}{10} = R$$

a)  $\frac{11}{13}$

$$\frac{5}{15}$$

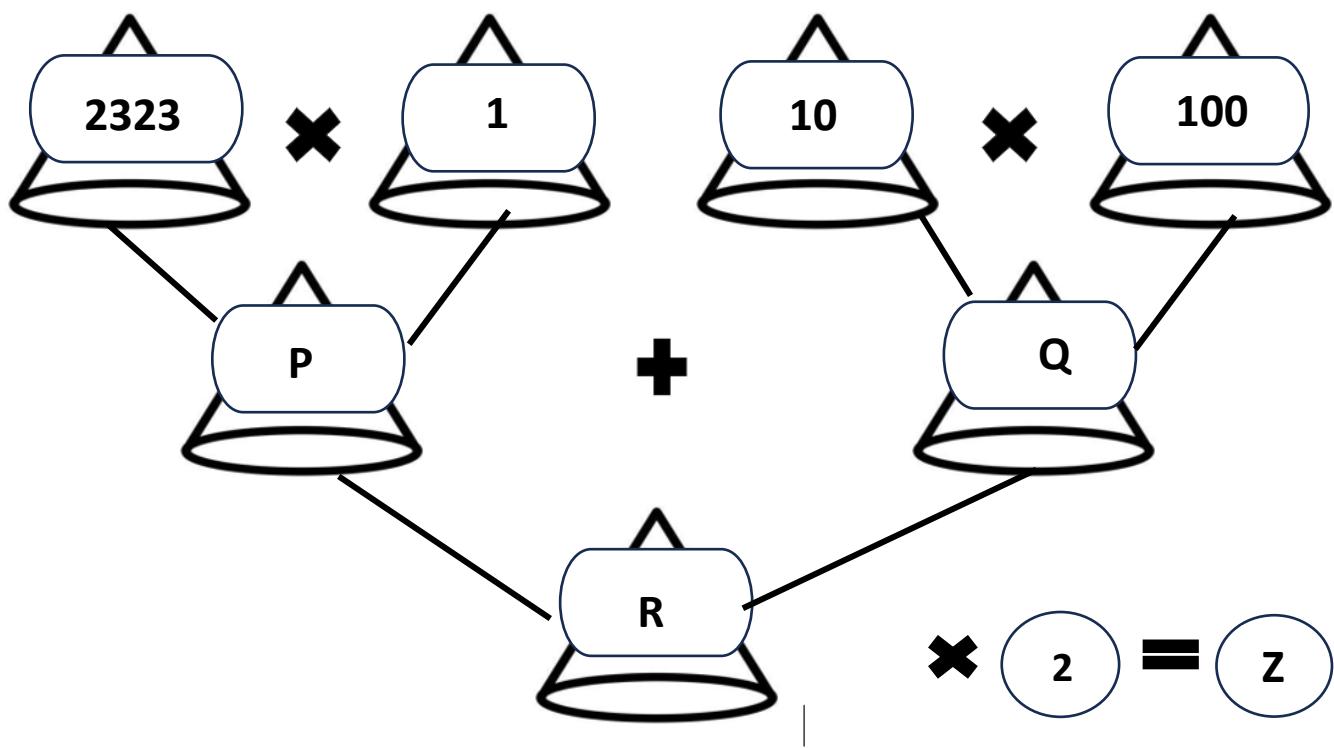
**R**  
**9**  
**—**  
**10**

P  
11  
13

Q  
 $\frac{4}{15}$

R  
9  
—  
10

**Q20. Read the given number web and answer the question.**



**Which of the following is true?**

- a)  $P > Q$
- b)  $P < Q$
- c)  $P = Q$ .
- d) None of these.

**Q21. Which of the following is INCORRECT?**

- a)  $44 \div A = B + 1$ , then  $A = 4$  and  $B = 10$
- b)  $2 \times 5$  is equal to  $5 \times 2$
- c) If there are 4 balls in a box, then there are 52 balls in 13 such boxes.
- d) If Sonam has 56 rocks, then she has 23 pair of rocks.

**Q22. A family consumes 3 L. 550ml of milk everyday. What will be their milk consumption for the month of January?**

- a) 106 L 500ml
- b) 110 L 50ml
- c) 102 L 95ml
- d) 111 L 550ml

**Q23. A school band practiced for 2 hours 50 minutes. The practice got over at 1 pm. At what time did it begin?**

- a) 11:10 AM
- b) 10:50 AM
- c) 10:10 AM
- d) 11:50 AM

**Q24. Which of the following Roman numerals represents a number that is 56 less than 127?**

a) XLVII

b) LXXVI

c) LXXI

d) LXXII

**Q25. What is the sum of 6<sup>th</sup> multiple of 8 and 3<sup>rd</sup> multiple of 6?**

a) 864

b) 66

c) 30

d) 684

**Q26. Select the combination of number from the options in which the given letters are arranged accordingly to form a meaningful English word.**

D      G      I      E      U

1      2      3      4      5

a) 4,3,2,1,5

b) 2,5,3,1,4

c) 3,5,1,2,4

d) 2,3,1,5,4

**Q27. Harry wants to go to school from his house. First of all he goes to the crossing and from here he turns to the right and reaches the bus stand. The bus stand is opposite the library. In which direction is the school located.**

a) North

b) East

c) North- west

d) Cannot be determined

**Q28. Find the missing number, if a certain rule is followed either row-wise or column-wise.**

28	16	12
36	21	15
31	9	?

a) 22

b) 18

c) 23

d) 19

**Q29. How many meaningful three- letter English words can be formed with the letters 'WNO' using each letter only once in each word?**

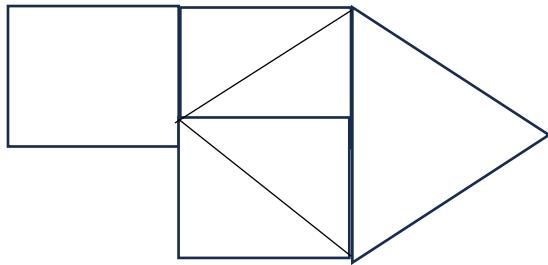
a) None

b) One

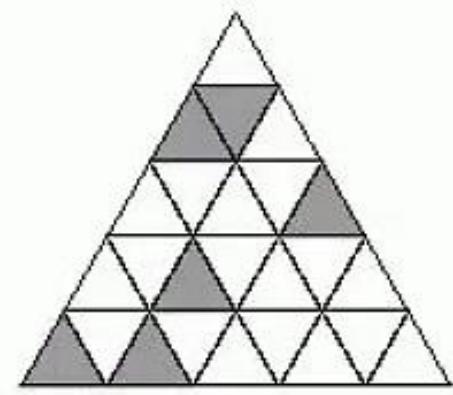
c) Two

d) Three

**Q30. How many triangles are there in the given figure?**



**Q31. What fraction of the given figure is shaded?**



a)  $5/24$       b)  $7/25$   
c)  $6/25$       d)  $5/23$

**Q32. In a certain language, if 'Mango, Banana, Grapes' is code for 'MON' and 'Apple, Orange, Grapes' is code for 'SUN' then, what is the code for 'SUM' in that language?**

- a) Apple Grapes Mango
- b) Apple Orange Mango
- c) Mango Banana Grapes
- d) Apple Banana Orange

### **Q33. What will come in place of the (?) ?**

**Eagle :: Bird :: Ant : ?**

- a) Reptile
- b) Insect
- c) Mammal
- d) Fish

**Q34. Find the mirror image of the figures/ letters given below**

3418902

[a] 2008143

E418902 [b]

3418902 [c]

3418902 [p]

**Q35. From a meaningful word by arranging the given numbers corresponding to the letters given below.**

O	P	A	N	I
1	2	3	4	5

## SUBJECT- SCIENCE

**Q36. Shoot system of a plant does not include:**

- a) Branches
- b) Roots
- c) Leaves
- d) Flowers

**Q37. Match the following:**

**Q38. Which of the following is not a source of energy?**

- a) water
- b) sun
- c) wind
- d) Friction

**Q39. Slowly blowing wind is called**

- a) Air
- b) Gale
- c) Storm
- d) Breeze

**Q40. My mother sits on the eggs to give them warmth. After a few days, I am born and come out of the egg. Who am I and what is the process of "sitting on eggs" called?**

- a) Chick and the process is hatching
- b) Chick and the process is sitting
- c) Nestling and the process is hatching
- d) Nestling and the process is sitting

**Q41. Read the statements and identify the correct option.**

**Statement-1:** All the body actions like movement, reading, laughing and thinking are controlled by a specific system.

**Statement-2:** The above statement does not apply to nervous system.

- a) Statement-1 is correct and statement-2 is incorrect.
- b) Both statements are correct.
- c) Both statements are incorrect.
- d) Statement-1 is incorrect and statement-2 is correct,

**Q42. What is the function of heart?**

- (i) It is the pumping organ of our body.**
- (ii) It pumps blood to different parts of our body.**
- (iii) It beats around 72 times per minute.**

- a) All are correct.
- b) (i) and (ii) are incorrect.
- c) (iii) and (ii) are incorrect.
- d) All are incorrect.

**Q43. Arrange the mode of transports in order of increasing speed (from the slowest to the fastest).**

**Aeroplane, Ship, Bullock Cart, Bullet Train, Rajdhani Train**

- a) Bullock Cart, Aeroplane, Rajdhani Train, Bullet Train, Ship
- b) Ship, Bullet Train, Rajdhani Train, Aeroplane, Bullock Cart
- c) Bullock Cart, Ship, Rajdhani Train, Bullet Train, Aeroplane
- d) Ship, Bullock Cart, Rajdhani Train, Bullet Train, Aeroplane

**Q44. Anshika went to a hill station in summer vacation. There she saw lots of waste thrown here and there by tourists. What should Anshika do to prevent the hill station from getting more dirty?**

- a) She should also throw waste like other tourists.
- b) She should encourage tourists to throw wastes into dustbins.
- c) She should make the tourists to not throw wastes into dustbins.
- d) She should quarrel with tourists throwing garbage in dustbins.

**Q45. Which of these can explain the reason for mud houses being common in desert areas like Rajasthan?**

- a) Mud absorbs heat and keeps the house cool.
- b) Rainfall is very scarce in Rajasthan.
- c) The roofs are made of thorny bushes.
- d) Both (a) and (b)

**Q46. Arrange the following in the increasing order of the sizes.**

- a) Sun - Moon – Earth
- b) Moon - Sun – Earth
- c) Earth - Moon – Sun
- d) Moon - Earth – Sun

**Q47. Five children made the following statements about birds.**

**Ashok:** All birds can fly.

**Beena:** All birds have a beak.

**Ali:** All birds have a backbone.

**Shuchi:** All birds have an outer covering of feathers.

**Enna:** Most birds lay eggs, while some give birth to their young.

**Whose statements about birds are correct?**

- a) Ashok, Beena and Ali
- b) Beena, Ali and Shuchi
- c) Ashok, Beena, Shuchi and Enna
- d) Beena, Ali, Shuchi and Ashok

**Q48. What happens when we touch a hot kettle?**

- a) Skin Nerves → Hand is pulled back
- b) Skin Nerves → Brain → Hand is pulled back
- c) Skin Brain → Nerves → Hand is pulled back
- d) None of these

**Q49. A green plant is a:**

a) Primary consumer	b) Producer
c) Secondary consumer	d) Tertiary consumer

**Q50. This gas is produced by our body as a waste material.**

a) Oxygen	b) Carbon dioxide
c) Nitrogen oxide	d) Carbon monoxide

**Q51. Which among the following is not a function of roots?**

- a) They hold the plant firmly.
- b) They provide nutrition to the plant from soil.
- c) They provide sunlight to the plant.
- d) They help in absorption of water.

**Q52. Match the following:**

**Column A**

- (i) Stomach
- (ii) Lungs
- (iii) Blood
- (iv) Brain

- a) (i - d) (ii - a) (iii - c) (iv - b)
- c) (i-b), (ii - a) (iii-d), (iv - c)

**Column B**

- (a) Respiratory system
- (b) Nervous system
- (c) Circulatory system
- (d) Digestive system

- b) (i - d) (ii - c) (iii - a) (iv - b)
- d) (i-c), (ii- d), (iii-a), (iv - b)

**Q53. Which of the following things are obtained from a forest?**

1. Plastic	2. Paper	3. Rubber	4. Wood
a) 2, 3 and 4		b) 1 and 4	
c) 2 and 3		d) 1,2 and 3	

**Q54. Identify the living/non-living thing based on the description.**

**I. This object does not grow, breathe, or need food and water.**

**II. It cannot move on its own and does not reproduce.**

**III. It is found in nature and is used in building houses and roads.**

a) Pencil	b) Table
c) Rock	d) Pen

**Q55. One morning after the rain, Sara saw a puddle of water on the playground. By the afternoon, the puddle had disappeared even though no one had used the water. Which phenomenon resulted in the puddle drying up?**

- a) Condensation
- b) Evaporation
- c) Freezing
- d) Melting

**Q56. The function of hairs inside our nose is \_\_\_\_\_ "".**

- a) To make it beautiful
- b) To not let dirt particles enter our lungs
- c) To not let too much air go inside
- d) To keep our lungs cold

**Q57. Big animals hunt and eat small animals. Small animals eat other smaller animals and plants. This is called**

- a) Requirement of food
- b) Food habits
- c) Food chain
- d) Ecosystem

**Q58. Three tumblers named R. K. and S contain different forms of water. Tumbler R has normal water, tumbler K has chilled water and tumbler S has extremely hot water. Which of the containers will show change in state of water after half an hour?**

- a) R
- b) K and S
- c) K
- d) S

**Q59. I revolve around the Sun. I am the brightest and the hottest member of the Solar System. Who am I?**

- a) Blue planet
- b) Red planet
- c) Evening star
- d) North Star

**Q60. Match the following plants with their suitable characteristics.**

**Column I**

- 1) Herbs
- 2) Shrubs
- 3) Trees

**Column II**

- A) They can live for a really long time.
- B) They are used in medicines or for cooking.
- C) They look bushy and have many stems.

a) 1:B, 2:C, 3:A

b) 1:A, 2:B, 3:C

c) 1:C, 2:B, 3:A

d) 1:C, 2:B, 3:A

**Q61. Soil is formed from \_\_\_\_\_**

a) Rocks

b) Mud

c) Mountains

d) Lava

**Q62. Bricks are used to build houses because they are**

a) Hard and strong

b) Made of wood

c) Made of plants

d) Free from germs

**Q63. What is most likely to happen if you throw a banana peel on the road?**

a) Your teacher will scold you.

b) Someone will buy you another banana.

c) Someone may slip on it and get hurt.

d) A new banana plant may grow from it.

**Q64. Which of the following materials can be recycled?**

**I. Glass**

**II. Paper**

**III. Stone**

**IV.**

**Wood**

**Choose the correct option.**

a) I and II

b) II and III

c) III and IV

d) I and IV

**Q65. The time taken by Earth for one rotation is**

a) 12 hours

b) 24 hours

c) 28 days

d) 365 days

**Q66. A group of \_\_\_\_\_ which perform a particular function for the body is called organ system.**

a) Tissues

b) Cells

c) Organs

d) Nerves

**Q67. While boiling a glass of water, which change occurs in the state of matter?**

a) Solid into liquid

b) Liquid into gas

c) Gas into liquid

d) Liquid into solid

**Q68. Coldest time of the year is**

- a) Winter
- b) Summer
- c) Autumn
- d) Monsoon

**Q69. Which of the following statements is correct?**

- (i) Air is all around us but we can't see it.
- (ii) Water vapour is not the part of air.
- (iii) Air is of no use on the mountains.

- a) Only (i)
- b) Only (ii)
- c) All (i), (ii), (iii)
- d) (i) and (ii)

**Q70. What is most likely to happen when some ice cubes are put in a steel glass?**

- a) Ice cubes will remain as it is.
- b) Water starts overflowing.
- c) Small droplets of water appear on the outer surface of glass.
- d) Water will evaporate.