



SCIENCE

School Level Examination

GRADE

6

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- * All questions are compulsory.
- * Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS and OTHER INFORMATION**.

To mark your choice of answer by darkening the circles in the Answer Sheet, use an **HB Pencil** only.

- * You **MUST** record your answers on the **ANSWER SHEET**.
- * There are 40 **MULTIPLE CHOICE QUESTIONS**. Use the information provided to choose the **BEST** answer among the four possible options.

On your **ANSWER SHEET** fill in the oval that matches your answer.

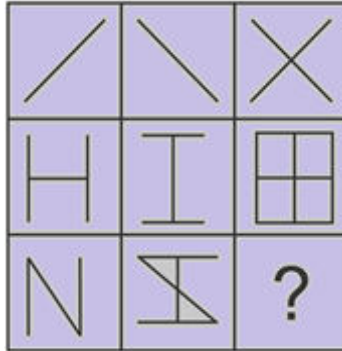
- * Marks are **NOT** deducted for incorrect answers.
- * Return the **Answer Sheet** to the invigilator at the end of the examination.
- * Write your Roll No. on the Question Paper too and take it home for future reference.
- * You are **NOT** allowed to use a calculator.

You may use a ruler and spare paper for rough work.

Section - A

(This section contains 8 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

1. Which of the following option completes this matrix?



- | | |
|---|--|
| <p>(A) </p> | <p>(B) </p> |
| <p>(C) </p> | <p>(D) </p> |

2. Raj obtained more marks than Rita. Rita obtained one less mark from Shalu. Shalu gets less marks than Hari and Hari obtained the highest marks in the class. Shalu and Raj obtained equal marks. Who obtained the lowest marks in the test?

- | | |
|----------|-----------|
| (A) Hari | (B) Shalu |
| (C) Rita | (D) Raj |

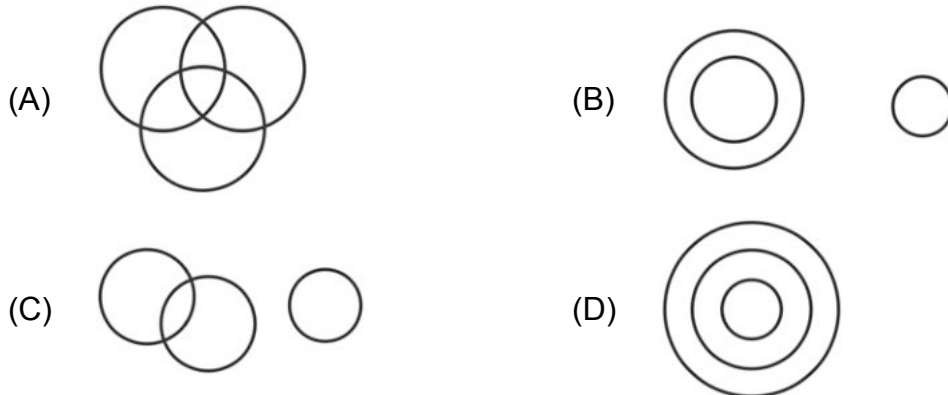
3. If '+' denotes '×', '×' denotes '-', '-' denotes '÷' and '÷' denotes '+', then choose the correct statement.

- | | |
|--|---|
| (A) $8 - 4 + 6 \times 2 = 6 + 8 - 4 \times 2$ | (B) $4 \div 2 + 8 \times 6 = 2 + 8 \times 4 \div 6$ |
| (C) $4 + 8 \times 2 \div 6 = 8 - 2 + 4 \div 6$ | (D) $2 \div 6 + 4 \times 8 = 4 + 8 \times 6 \div 2$ |

4. In a joint family, there is a father, a mother, 4 married sons and three unmarried daughters. Of the sons, two have 2 daughters each, and two have a son and a daughter each. How many female members are there in the family?

- | | |
|--------|--------|
| (A) 10 | (B) 16 |
| (C) 14 | (D) 13 |

5. Which of the following represents the best relation between India, Tamil Nadu and World?



6. Find the missing number.

4	2	3
8	4	?
12	6	9

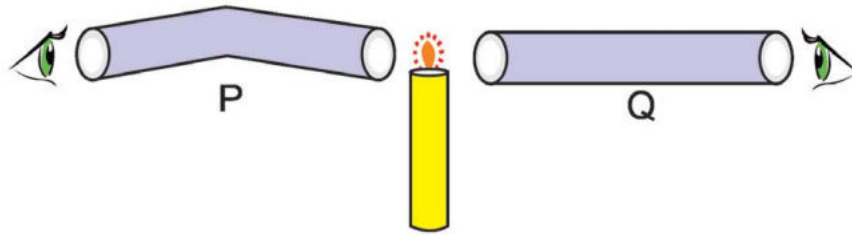
- (A) 8
- (B) 6
- (C) 12
- (D) 10
7. In a certain code, 'BITE' is written as '# \$ 5 2' and 'BEAD' is written as '# 2 @ 7'. How is 'DATE' written in that code?
- (A) 7 @ 5 2
- (B) % 7 5 @
- (C) 7 2 # @
- (D) 7 5 \$ 2
8. Rahul is Rashmi's brother. Neel is Rudra's father. Ria is Rashmi's mother. Rahul and Rudra are brothers. How is Ria related to Neel?
- (A) Aunt
- (B) Mother
- (C) Sister
- (D) Wife

Section - B

(This section contains 25 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

9. Powdered egg shells are mixed with wastes during vermicomposting because _____.
- (A) It is essential in vermicomposting.
- (B) It makes the food of redworms more nutritive.

- (C) It helps the redworms in grinding their food.
(D) None of these
10. What happens in the case of excessive rains?
(A) Floods (B) Drought
(C) Evaporation of rain water (D) Condensation of rain water
11. Read the following statements and mark the correct option.
(i) Metals can conduct electric current.
(ii) Instead of metal wires, a rubber can be used to make a circuit.
(iii) Electric current can pass through a wooden box.
(A) (i) (B) (ii)
(C) Both (A) and (B) (D) None of the above
12. In which of the following conditions, rate of evaporation would be highest?
(A) A beaker filled with water kept in the sun
(B) A beaker filled with water kept in the room with fan on
(C) A beaker filled with water kept in shade outside the room
(D) The evaporation is same in all conditions
13. Plant fibres are obtained from _____.
(A) Roots and flowers (B) Fruits and stems
(C) Herbs and shrubs (D) None of these
14. Read the statement and assertions and choose the correct option.
Statement: Magnets must be kept away from mobile phone, television, music system and computer.
Assertion-1: These objects will attract the magnet and then magnet cannot be separated.
Assertion-2: These objects have magnet installed within them. Due to the magnet, their property will be affected and it will hinder their working.
(A) Assertion-1 is incorrect. (B) Assertion-2 is correct.
(C) Assertion-1 is correct. (D) None of these
15. In the given diagram, who will be able to see the flame clearly?



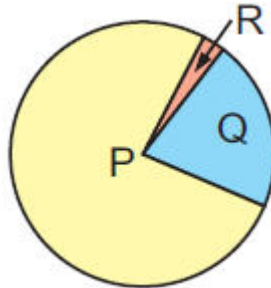
- (A) Q (B) P
 (C) Both P and Q (D) None of these
16. Select True/False (T/F) statements from the following and choose the correct option.
- (p) Potato tubers contain fibres.
 (q) Soyabean is a rich source of vitamins.
 (r) Milk is a complete food.
 (s) Vegetables and fruits give vitamins and minerals only.
 (t) Glucose is the main source of energy in our body.
- (A) (p)–F, (q)–F, (r)–F, (s)–F, (t)–F (B) (p)–T, (q)–F, (r)–T, (s)–F, (t)–T
 (C) (p)–T, (q)–T, (r)–F, (s)–T, (t)–T (D) (p)–F, (q)–T, (r)–F, (s)–T, (t)–F
17. Jhanvi bought some wheat from the grocery shop to make flour but lots of stones were found by her in it. Which of the following options will she use to remove them?



- (A) Sedimentation (B) Filtration
 (C) Handpicking (D) Distillation
18. Pick the correct statement out of the following options.
- (A) Growth of a tree is a periodic change.
 (B) Physical Changes are reversible.
 (C) Energy is required to cause a change.
 (D) None of these
19. A car moving along a straight path is an example of _____.

- (A) Oscillatory Motion (B) Curvilinear motion
 (C) Periodic motion (D) Translatory motion

20. The given pie-chart for the composition of air represents which gas/component as the maximum?



- (A) Carbon dioxide (B) Oxygen
 (C) Nitrogen (D) Hydrogen

21. Match the column I with column II and select the correct option.

Column I	Column II
(i) Neck	(p) Slither
(ii) Shoulder	(q) Pivot joint
(iii) Birds	(r) Ball and socket joint
(iv) Snake	(s) Hollow bones

- (A) (i)–(s), (ii)–(q), (iii)–(r), (iv)–(p) (B) (i)–(r), (ii)–(s), (iii)–(q), (iv)–(p)
 (C) (i)–(p), (ii)–(q), (iii)–(r), (iv)–(s) (D) (i)–(q), (ii)–(r), (iii)–(s), (iv)–(p)

22. Distance travelled by a body is _____.

- (A) The actual length of the path covered by the moving body in a straight line
 (B) The actual length of the path covered by the moving body irrespective of the direction in which the body moves
 (C) The difference in distance between the initial position and the final position of the moving body
 (D) None of the above

23. Read assertion (A) and reason (R) and choose the correct option.

Assertion (A): Nylon is not attacked by fungus and moths.

Reason (R): Nylon fibres are very strong.

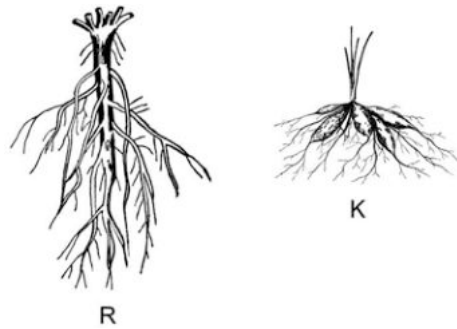
- (A) Both (A) and (R) are correct and (R) is the correct explanation of (A).

- (B) Both (A) and (R) are correct, but (R) is the incorrect explanation of (A).
- (C) (A) is incorrect but (R) is correct.
- (D) (A) is correct but (R) is incorrect.

24. Pick the changes from below that can be reversed.

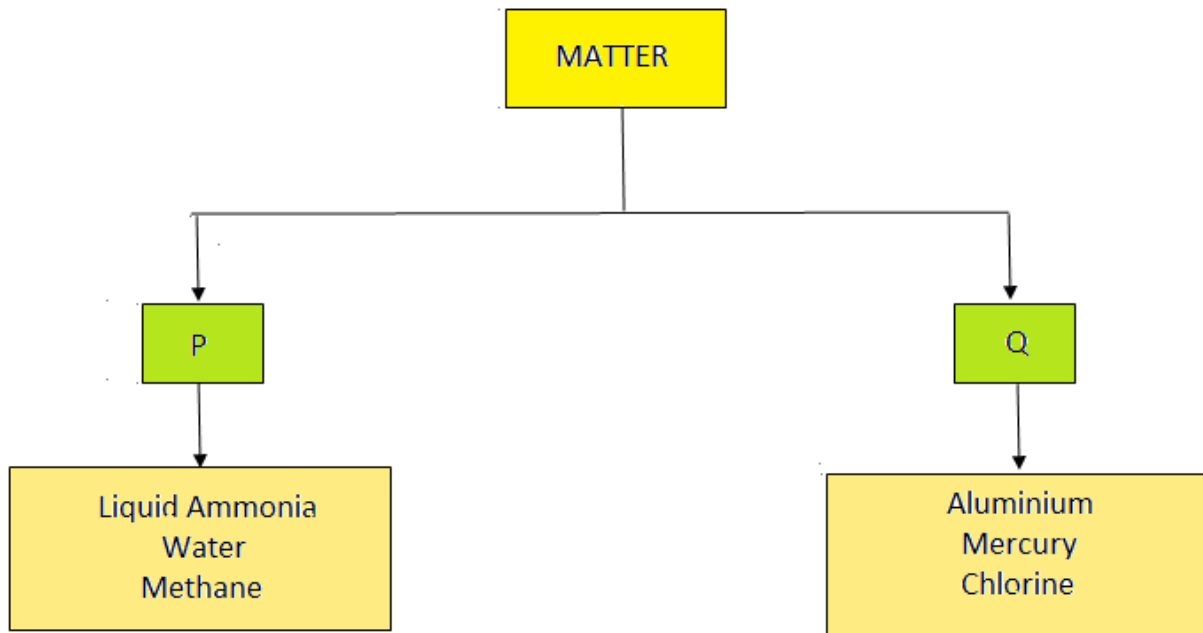
- (A) Opening of door
- (B) Ripening of fruit
- (C) Conversion of milk into curd
- (D) Cutting of wooden blocks

25. Observe the given figure R and K, and choose the correct option.



- (A) R-tap root, K-fibrous root
- (B) R-tap root, K-lateral root
- (C) R-fibrous root, K-tap root
- (D) R-lateral root, K-deep root

26. Look at the given flowchart and identify P and Q.

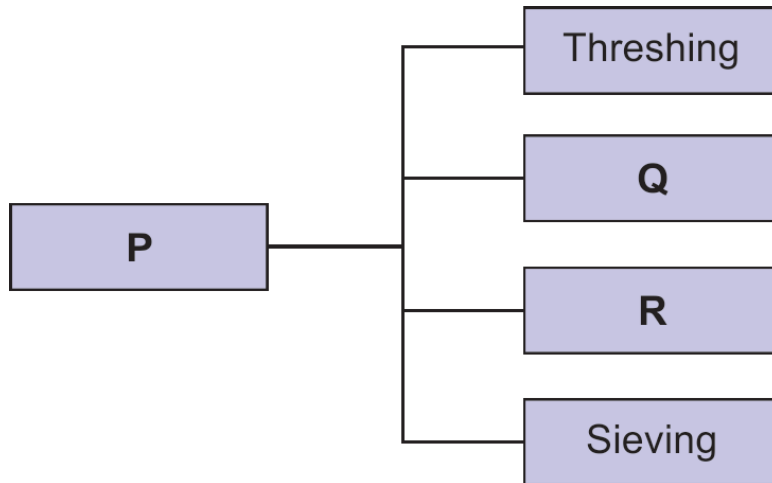


- (A) P – Metals, Q – Non Metals
- (B) P – Elements, Q – Compounds
- (C) P – Compounds, Q – Elements
- (D) P – Elements, Q – Metals

27. Match the objects with the materials from which they could be made.

Objects	Materials
Book	Plastic
Table	Paper
Toy	Leather
Shoes	Wood

- (A) Book-Wood, Table-Plastic, Toy-Paper, Shoes-Leather
(B) Book-Paper, Table-Wood, Toy-Plastic, Shoes-Leather
(C) Book-Plastic, Table-Leather, Toy-Paper, Shoes-Wood
(D) None of these
28. In an activity, Rajesh dissolved a small amount of solid zinc sulphate in a beaker half-filled with water. Which method should be used by him to get back the solid zinc sulphate solution?
- (A) Condensation (B) Decantation
(C) Evaporation (D) Sedimentation
29. Which part of the broccoli is eaten as a vegetable?
- (A) Flower (B) Root
(C) Stem (D) All of these
30. Why poles of a magnet have more fillings than at centre when a bar magnet is rolled over the box full of iron fillings?
- (A) The poles have comparatively weak magnetic field.
(B) The poles are more magnetically strong than the centre.
(C) Both of these
(D) None of these
31. Which of the following options is suitable in filling the boxes of the flowchart?



- (A)

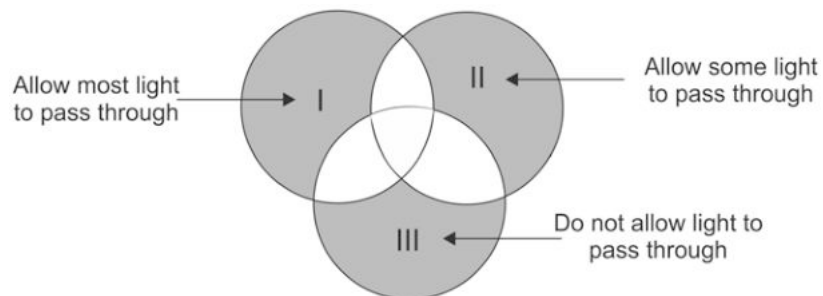
P	Q	R
Method of separation	Sedimentation	Filtration
- (B)

P	Q	R
Method of separation	Winnowing	Handpicking
- (C)

P	Q	R
Types of separation	Decantation	Sedimentation
- (D)

P	Q	R
Types of separation	Filtration	Winnowing

32. Which of the following substance represents III?



- (A) A flower vase (B) A plastic bag
 (C) A paper bag (D) Mirror

33. Which of the following is the correct height of the Raj if he is 1.65 m tall?

- (A) 1.65 m = 165 cm (B) 1.65 m = 0.165 cm
(C) 1.65 m = 16.5 mm (D) 1.65 m = 0.165 mm

Section - C

(This section contains 7 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which TWO are correct.)

34. Which among the following can be replaced with a switch in an electric circuit?
(A) Iron nail (B) Eraser
(C) Pencil sharpened at both ends (D) Matchstick
35. Identify the correct statements.
(i) The fore arm has two bones.
(ii) Cockroaches have an outer skeleton.
(iii) The cartilages are harder than bones.
(iv) The finger bones do not have joints.
(A) (i) (B) (ii)
(C) (iii) and (iv) (D) All of the above are correct
36. Which of the following options are non-living?
(A) Water Hyacinth (B) Cockroach
(C) Sewing machine (D) Leather shoes
37. Which of the following statements are true for frogs?
(A) They have strong back legs that help them in leaping and catching prey.
(B) They have weak back legs that help them in leaping and catching prey.
(C) They have gills to breath in water as well as on land.
(D) They have webbed feet which help them swim in water.
38. Which of the following activities support the waste disposal treatment?
(A) Recycling of scrap papers and ink.
(B) Burning of plastic and rubber regularly.
(C) Throwing away waste directly in drains.
(D) Using paper bags instead of plastic bags.
39. Pick the correct options from the following.
(A) Leaves hold the plant upright.
(B) Root conducts water to leaves.

- (C) Roots absorb water and minerals from the soil.
 - (D) The number of petals and stamens in a flower are not always equal.
40. Which among the following changes CANNOT be reversed?
- (A) Cow dung to biogas
 - (B) A toy aeroplane made by folding paper
 - (C) Ice-cream to molten ice-cream
 - (D) Bud to flower

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