



School Level Examination
SLE 2022

GRADE
6

SCIENCE

Subject Code:

3	0	1
---	---	---

Total Questions: 40

Time: 1 hour

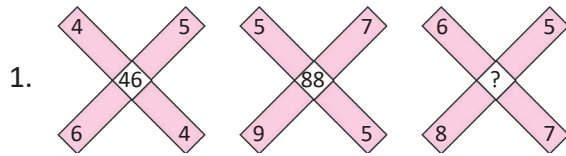
DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- 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 a **BLUE/BLACK BALL PEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- 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 circle that matches your answer.
- Marks are **NOT** deducted for incorrect answers.
- Return the **ANSWER SHEET** to the invigilator at the end of the examination.
- You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.

SCIENCE

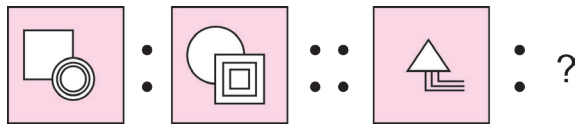
Section A (Logical Reasoning)

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



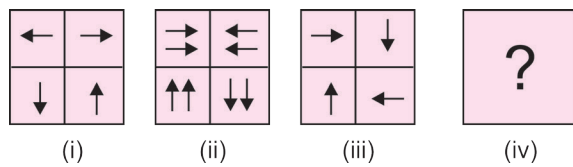
- (A) 80 (B) 82
(C) 86 (D) 92

2. Choose the correct figure to complete the relationship.



- (A)
- (B)
- (C)
- (D)

3. There is a definite relationship between figure (i) and (ii). Establish the same relationship between figure (iii) and (iv) by selecting a suitable figure from the options which will replace (?) in figure (iv).



- (A) (B) (C) (D)

4. In a certain code, 'DESK' is written as '# \$ 5 2' and 'RIDE' is written as '% 7 # \$'. How is 'RISK' written in that code?

- (A) % 7 2 5 (B) % 7 5 2
(C) % 7 # 2 (D) % 7 \$ #

5. Arrange the given words in a meaningful sequence.

1. Yarn 2. Plant 3. Saree 4. Cotton 5. Cloth

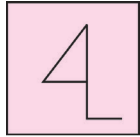
(A) 2, 4, 5, 1, 3

(B) 2, 4, 3, 5, 1

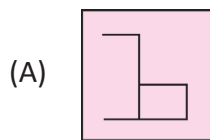
(C) 2, 4, 1, 5, 3

(D) 2, 4, 5, 3, 1

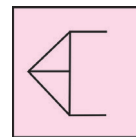
6. Figure (X) is exactly embedded in any one of the four option figures (A), (B), (C) and (D). Find the option which contains figure (X) as its part.



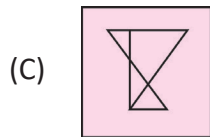
(X)



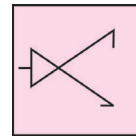
(A)



(B)

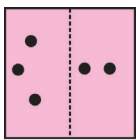


(C)

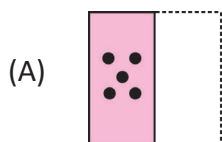


(D)

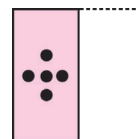
7. Choose the correct figure from the four options that is the folded form of the given figure.



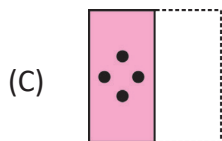
(X)



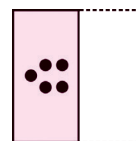
(A)



(B)



(C)



(D)

8. If the English alphabets are written in reverse order after interchanging alphabets from 'C to M' with those from 'P to Z' respectively, which letter would be midway between F and T in the new order?

(A) Z

(B) M

(C) N

(D) X

Section B (Subject Specific)

(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. Which of the following is an INCORRECT pair?

- (A) Radish – Root (B) Ginger – Fruit
(C) Cabbage – Buds (D) Potato – Stem

10. Match the columns and choose the correct option.

Column I	Column II
(p) Rayon	(i) Sewing needle
(q) A key tool for making clothes	(ii) China
(r) Wool, cotton, silk	(iii) Bobbins
(s) Birthplace of silk fibre	(iv) Natural fibres
(t) Big reels on which yarn is wound	(v) Man-made fibres

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

11. You have been given a mixture of salt, pebbles, sand and chalk pieces. Which option will you choose to separate this mixture?

- (A) Strainer (B) Sieve and handpicking
(C) Net (D) Saucer

12. In a chemical change, _____ .

- (A) energy change does not occur (B) energy is always absorbed
(C) energy is given out (D) energy is either absorbed or given out

13. Gymnosperms are _____ .

- (A) naked seeded plants (B) open seeded plants
(C) non-flowering plants (D) None of these

14. When the lower arm is folded upwards, the muscles bulge and when it is unfolded the muscles become normal. Choose the correct explanation for it.

- (A) It happens because muscles are stiff.
(B) It happens because muscles can perform contraction only.
(C) It happens because muscles are soft and fleshy.
(D) It happens because muscles perform contraction and relaxation.

15. Which type of habitat is shown in the given diagram?
 (A) Pond (B) Lake
 (C) Aquatic (D) River

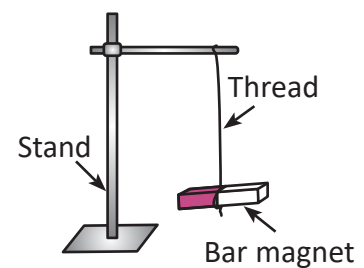


16. If you stand before a plane mirror, your left hand appears right. This phenomenon is called _____ .
 (A) reflection of light (B) lateral inversion of light
 (C) shadow formation (D) diffusion of light

17. Tester is used by the electrician for _____ .
 (A) testing the presence of electric current
 (B) finding the amount of electric current passing through an electric circuit
 (C) measuring the rate of flow of current through an electric circuit
 (D) None of the above

18. Swati demonstrated the shown experiment. After some time the magnet stops rotating and points towards the _____ direction.

- (A) south-east (B) north-west
 (C) east-west (D) north-south



19. Which of the following is the most abundant element in Earth's crust?
 (A) Nitrogen (B) Oxygen
 (C) Silica (D) Hydrogen

20. Why has disposal of garbage become a serious problem in big cities?
 (A) Garbage is collected in large quantities.
 (B) Garbage contains plastics and thermocol which do not decompose.
 (C) Garbage is not separated into wet and dry garbage.
 (D) All of the above

21. Which of the following mixtures can be separated using a filter paper?
 (A) Vinegar (B) Salt water
 (C) Sand & water (D) Sugar water

22. Which of the following fibers on burning smells like burning hair?
 (A) Cotton (B) Flax
 (C) Wool (D) Jute

23. A magnet "X" repels another metal "Y" then _____ .
 (A) Y must be a non-magnetic (B) Y must be insulator
 (C) Y must be a magnet (D) Y must be conductor



24. What adaptation does the given organism show?
- (A) Strong hind leg muscles (B) Hollow bones
(C) Webbed feet (D) Both (B) and (C)
25. Plant fibres are obtained from _____ .
- (A) roots and flowers (B) fruits and stems
(C) herbs and shrubs (D) None of these
26. A mixture of a solute and solvent, is said to be _____ .
- (A) suspension (B) saturated
(C) solution (D) All of these
27. 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
28. The products of photosynthesis are _____ .
- (A) carbon dioxide, water (B) glucose, oxygen
(C) water, oxygen (D) glucose, water
29. Material made up of only one type of atom, example Sulphur, is called _____ .
- (A) element (B) compound
(C) atom (D) mixture
30. Layer of cells with air spaces between them are called _____ .
- (A) spongy cells (B) palisade cells
(C) epidermal cells (D) article
31. The chemical formula for water is _____ .
- (A) CO₂ (B) O₂
(C) H₂O (D) None of these
32. The hardest substance present on earth is _____ .
- (A) gold (B) diamond
(C) platinum (D) silver

33. Which is the basic structure of our body?
 (A) Tissue (B) Cell
 (C) Organ (D) Organ System

Section C (Competency Based)

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

34. By which of the following methods is the yarn is made into fabric?
 (A) Ginning (B) Spinning
 (C) Weaving (D) Knitting
35. Which among the following changes CANNOT be reversed?
 (A) Cow dung to biogas (B) Bud to flower
 (C) A toy aeroplane made by folding paper (D) Ice-cream to molten ice-cream
36. Which type of motion do the wheels of a moving car exhibit?
 (A) Rectilinear (B) Curvilinear
 (C) Rotatory (D) Translatory
37. Which of the following statements are true for frog?
 (A) Frog have weak back legs that help them in leaping and catching prey.
 (B) Frog have strong back legs that help them in leaping and catching prey.
 (C) They have webbed feet which help them swim in water.
 (D) They have gills to breathe in water as well as on land.
38. Which of the following statements are INCORRECT to explain the process of sprouting?
 (A) Soak some dry seeds for a day.
 (B) Keep the soaked seeds in sunlight for one day.
 (C) Wrap the soaked seeds in wet cloth and set aside.
 (D) Boil the seeds to sprout them.
39. Which of the following gases together make up 99% of air?
 (A) Oxygen (B) Carbon dioxide
 (C) Nitrogen (D) Water vapour
40. Which materials among the following are NOT transparent?
 (A) Air (B) Wooden box
 (C) Water (D) Metal sheet

