



School Level Examination
SLE 2022

GRADE
8

SCIENCE

Subject Code:

3	0	1
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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.)

1. Choose the figure which is different.

A	E	Z	N
(1)	(2)	(3)	(4)

- | | |
|-------|-------|
| (A) 1 | (B) 2 |
| (C) 3 | (D) 4 |

2. Complete the pattern given below:

CBA, WVU, IHG, TSR, _____

- | | |
|---------|---------|
| (A) NOM | (B) MON |
| (C) ONM | (D) NMO |

3. The words in the bottom row are related in the same way as the words in the top row. For each item, find the word that completes the bottom row of words.

snow	mountain	ski
warmth	lake	?

- | | |
|--------------|-------------|
| (A) sand | (B) sunburn |
| (C) vacation | (D) swim |

4. Here are some words translated from an artificial language.

'hapllesh' means 'cloudburst'

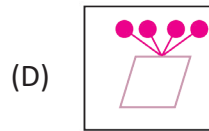
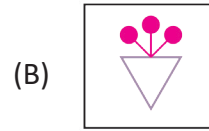
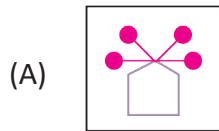
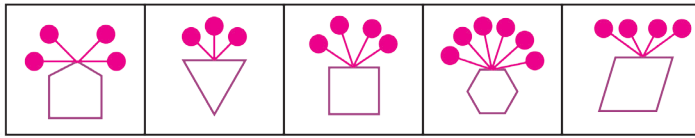
'srenchoch' means 'pinball'

'resbosrench' means 'ninepin'

Which word could mean 'cloud nine'?

- | | |
|----------------|-------------|
| (A) leshsrench | (B) haploch |
| (C) haplresbo | (D) ochhapl |

5. Choose the figure which is different from the rest.



6. Four different cars were parked. Verna was at the left of Swift which was at the left of Corolla. There were two cars between Polo and Verna. Which car was at the extreme left?

(A) Verna

(B) Swift

(C) Corolla

(D) Polo

7. Trace out the hidden analogy or common characteristics among the given words.

Chain : Link : Bridge

(A) They all have hooks.

(B) They are related to ornaments.

(C) They join two parts.

(D) The terms are related with prison.

8. In the given question, a statement is followed by two conclusions numbered (i) and (ii). You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement: Jade plant has thick leaves and it requires little water.

Conclusions:

(i) All plants with thick leaves require little water.

(ii) Jade plants may be grown in places where water is not in abundance.

(A) Only conclusion (i) follows.

(B) Only conclusion (ii) follows.

(C) Either (i) or (ii) follows.

(D) Neither (i) nor (ii) follows.

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. The first reserve forest of India is _____ .

(A) Jim Corbett National Park	(B) Satpura National Park
(C) Kaziranga National park	(D) Silent Valley

10. A fertilised egg cell develops into an organism by _____ of cells.

(A) addition	(B) multiplication
(C) propagation	(D) All of these

11. Foetus is the stage in which the body parts of the baby are _____.

(A) seen	(B) not seen
(C) fully developed	(D) in developing stage

12. The period between body changes to adolescence is known as _____.

(A) maturity	(B) adult
(C) puberty	(D) senescence

13. The force of friction acting on a moving body or on an object is always _____.

(A) opposite to the direction of the motion	(B) towards the direction of the motion
(C) in same direction of motion	(D) None of these

14. Normal conversation between people is the loudness of _____.

(A) 70 Db	(B) 80 dB
(C) 60 Db	(D) 50 dB

15. The process of depositing a layer of any desired/superior metal on another metal is _____.

(A) plating	(B) gold plating
(C) silver plating	(D) electroplating

16. Which of these items does NOT get charged on rubbing with polythene?

(A) Steel spoon	(B) Plastic comb
(C) Plastic scale	(D) Plastic pen

17. Which of the following will give diffused or irregular reflection?
- (A) Smooth and polished surface (B) Smooth and unpolished surface
(C) Rough and porous surface (D) Rough and polished surface
18. Which force makes the celestial bodies revolve around the Sun?
- (A) Magnetic force (B) Gravitational force
(C) Electrical force (D) Nuclear force
19. Trees help in reducing the pollution of our environment. Lakhs of trees are planted by people in the month of July every year. The occasion is called _____ .
- (A) Van Mahotsav (B) Wildlife month
(C) Forest conservation month (D) Plantation month
20. The point of origin of an earthquake, from where the seismic waves are said to spread out is _____ .
- (A) fault point (B) epicentre
(C) focus point (D) seismic focus
21. Which of the following disease is caused by bacteria due to contamination of water and lack of hygiene?
- (A) Malaria (B) Measles
(C) Cholera (D) Dengue
22. Bleeding of gums is a symptom of _____ .
- (A) scurvy (B) goitre
(C) beri-beri (D) rickets
23. Which fuel has highest calorific value?
- (A) LPG (B) Dry wood
(C) Tar (D) Petrol
24. Which of the following is related to the wool production?
- (A) Sericulture (B) Reeling
(C) Shearing (D) Larva
25. Jute is sown towards the end of _____ .
- (A) February (B) March
(C) June (D) July

26. Germs with a single species are _____ .
 (A) atypical (B) typical
 (C) monotypic (D) polytypic
27. Vision of cockroach is _____ .
 (A) mosaic (B) superposed
 (C) binocular (D) monocular
28. Which of the following plants is known as walking fern?
 (A) Pteridium (B) Pteris
 (C) Adiantum (D) All of these
29. Which force you experience while closing the door of fridge?
 (A) Muscular (B) Magnetic
 (C) Repulsive (D) Frictional
30. Velocity is a _____ .
 (A) zero quantity (B) scalar quantity
 (C) vector quantity (D) equal quantity
31. Photovoltaic cells produce electricity by using _____ .
 (A) solar energy (B) geothermal energy
 (C) wind energy (D) mechanical energy of water
32. The instrument that can measure current is called a/an _____ .
 (A) resistor (B) voltmeter
 (C) tester (D) ammeter
33. The conversion of solid into liquid is called _____ .
 (A) freezing (B) melting
 (C) evaporation (D) None of these

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. Biospecies is based on _____ .
 (A) genetic isolation (B) reproductive isolation
 (C) cytological traits (D) physiological traits

35. Two cotyledons are present in _____ .
- (A) mango (B) tamarind
(C) turmeric (D) ginger
36. The components required to make a simple series circuit to light a bulb are _____ .
- (A) bulb and wires (B) cell and switch
(C) wires and cell (D) switch and filament
37. Why is loosening of the soil important?
- (A) Loose soil particles have air spaces.
(B) Loose soil does not mix with manure.
(C) Loose soil does not absorb fertilisers easily.
(D) Loose soil retains moisture for longer duration.
38. Which of the following statements are true for human diseases caused by microorganisms?
- (A) Polio is caused by bacteria. (B) Typhoid is caused by virus.
(C) Malaria is caused by protozoa. (D) Tuberculosis is caused by bacteria.
39. Which among the following statements are true for sodium metal?
- (A) It does not react with oxygen. (B) It does not react with water.
(C) It is very reactive metal. (D) It is stored in kerosene.
40. Choose the options with the correct statement.
- (A) Ignition temperature is the highest temperature at which a substance catches fire.
(B) A combustible substance cannot catch fire as long as its temperature is lower than its ignition temperature.
(C) The substances which have very low ignition temperature and can easily catch fire with flame are called non-flammable substance.
(D) LPG and petrol are inflammable substances.

