

Name of the Student : _____ Roll No.:

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Name of the School : _____ Date : _____

Class : _____ Subject: Science Time: 60 Min

Instructions to the Candidate

1. Each question carries 1 mark. There is no negative marking.
2. Separate Optical Mark Reader (OMR) Answer Sheet is supplied to you along with question paper booklet.
3. Read the questions carefully and fill in the circle corresponding to your answer. Fill in the circle Completely.
4. Rough work should be done only in the space provided in the Question Paper Booklet.
5. Return the OMR Answer sheet to the invigilator before leaving the examination hall.
6. You can carry the question paper with you after completing the examination.
7. Once you enter the examination hall, you are not permitted to leave till the end of the examination.

VI Class Science

1. In a given system of units, the ratio of the unit of volume to that of area gives the unit of
(A) Mass (B) Length (C) Time (D) Temperature
2. Which of the following is C.G.S unit of relative density?
(A) kg m/s^2 (B) kg/m^3 (C) g/cm^3 (D) None of these
3. Which of the following statements below should be used while using the symbol for a unit of a physical quantity?
(A) The symbol named after scientist should have the capital
(B) They can take plural forms
(C) They can be written in full (D) none of these
4. Which of the following is not a unit of time?
(A) Hour (B) Nano second (C) Micro second (D) Light year
5. All magnetic materials lose their magnetic properties when:
(A) Dipped in water (B) Dipped in oil
(C) Strongly heated (D) Brought near a piece of iron
6. Attraction is maximum at the
(A) Centre (B) Poles (C) Both A and B (D) none of these

7. What happens when we hit a magnet with a hammer?
(A) It gains more magnetic force
(B) It demagnetizes
(C) The north and south poles change position
(D) All of these
8. A bar magnet is immersed in a heap of iron fillings and pulled out. The amount of iron filling clinging to the
(A) North Pole is almost equal to the South Pole
(B) North Pole is much than the South Pole
(C) North Pole is much less than the South Pole
(D) Magnet will be same all along its lengths
9. Statement 1: Magnetic property possessed by a magnetic substance due to the presence of a magnet is called magnetic induction.
Statement 2: Magnetic properties can also be induced in non magnetic materials.
(A) Only statement 2 is correct (B) Both statements are correct
(C) Only statement 1 is correct (D) Both statements are incorrect
10. At the time of short circuit, the current in the circuit
(A) Reduces substantially (B) does not change
(C) Increases heavily (D) varies continuously
11. An electric fuse works on the
(A) Chemical effect of current (B) magnetic effect of current
(C) Lighting effect of current (D) Heating effect of current
12. In the given circuit tester diagram what could it be if the bulb does not light up?
(A) Iron Nail (B) Copper coin (C) Aluminum Revert (D) Glass marble
13. Statements hold correct when two magnets are brought closer together?
(A) They repel each other (B) they pull each other
(C) They lose their magnetic power (D) they become weak
14. If you stand before a plane mirror your left hand appears right.
This phenomenon is called
(A) Reflection (B) Lateral inversion
(C) Shadow form (D) Diffusion of light
15. Density of water at 4°C is ____
(A) Minimum (B) Maximum (C) Infinity (D) All of these

16. Which of the following has a fixed shape?
(A) Iron B) Oxygen (C) Milk (D) CO₂
17. Which gas is responsible for fizz in soft drinks?
(A) Oxygen (B) Hydrogen (C) Nitrogen (D) Carbon dioxide
18. Which of the following gets reddish brown in colour on exposure to air?
(A) Gold (B) Silver (C) Iron (D) Aluminium
19. Which one of the following liquids is immiscible with water?
(A) Vinegar (B) Glycerine (C) Lemon juice (D) Kerosene
20. Transparent materials allow the light to pass through them
(A) partially (B) completely (C) sometimes only (D) not at all
21. What type of a substance is steel?
(A) A solid-liquid heterogeneous mixture
(B) A solid - solid heterogeneous mixture
(C) A solid - solid homogeneous mixture
(D) pure substance
22. A compound has
(A) only one kind of mixture.
(B) only one kind of element.
(C) a mixture of elements and molecules.
(D) only one kind of molecules
23. Which of the following is an example of a solid-in-gas mixture?
(A) Soil (B) Smoke (C) Moisture (D) Dew
24. The sky looks clearer and brighter after the rain due to loading by rain drops.
Which of the following is similar to the process mentioned above?
(A) Separation of butter from curd.
(B) Separation of salt from sea water.
(C) Sprinkling water on a dusty street before sweeping.
(D) Separation of grain seeds from their stalks.
25. Nitrogen reacts with hydrogen under high temperature and pressure and forms ammonia. Which type of change is undergone in the given example?
(A) A chemical change (B) A physical change
(C) An exothermic reaction (D) A natural change
26. On lowering the temperature, a liquid turns into a solid.
What is this process called ?
(A) Condensation (B) Melting (C) Freezing (D) Sublimation

27. What is the process of heating a liquid to a high temperature and rapidly cooling it so that the bacteria is killed called?
 (A) Pasteurization (B) Chlorination
 (C) Bacterial disinfection (D) Sublimation
28. Which of the following is a natural, periodic change?
 (A) The occurrence of days and nights.
 (B) The explosion of a bomb.
 (C) The occurrence of an earthquake.
 (D) Formation of snow.
29. What kind of change is the making of a ring from pure gold?
 (A) An irreversible, chemical change
 (B) An irreversible, physical change
 (C) A reversible, chemical change
 (D) A reversible, physical change
30. Which one of the following is not essential for good health?
 (A) Balanced diet (B) Antibiotics
 (C) Clean habits (D) Healthy habits
31. An example for endo parasite is
 (A) Head lice (B) Flea (C) Plasmodium (D) Mosquito

The table shows the characteristics of blood in one blood vessel of the body

Oxygen concentration	Carbon dioxide concentration	Pressure
High	Low	High

Which blood vessel contains blood with these features?

- (A) Aorta (B) Pulmonary artery
 (C) Pulmonary vein (D) Vena cava
32. An aquarium is a/an _____ ecosystem
 (I) Artificial (II) Natural (III) aquatic (IV) Terrestrial
- Which of the above options are correct?
 (A) I & II (B) II & III (C) I & III (D) II & IV
33. Part of the stem from where leaves arise is called
 (A) Node (B) Bud (C) Cotyledon (D) Internode

34. The milk you get in a pouch is not fresh. It was made free of microbes by heating it at 70°C and then cooling it instantly. Can you identify the name of the process?

- (A) Boiling (B) Freezing
(C) Pasteurization (D) Condensation

35. Observe the meal dairy of a 10 year old child. Can you say what is wrong in this food chart?

Day	Breakfast	Lunch	Dinner
Monday	Apple and nuts	Vegetables and meat	Egg, milk, fruit custard

His diet is lacking in

- (A) Fats (B) Proteins
(C) Carbohydrates (D) Roughage

36. Which of the following not a component of shoot system?



(A)



(B)



(C)



(D)

37. Choose the correct answer for non-living factors of the ecosystem

- (A) Biotic factors (B) Produces
(C) Decomposers (D) Abiotic factors

38. Terrestrial animals have

- (A) Lungs (B) Legs (C) Sense organs (D) All the above

39. Identify hinge joint among the following

- (A) Joints of bones of finger (B) Joints at the wrist
(C) Hip joint (D) Joint between head & torso

40. Plants cannot reproduce by

- (I) Leaves (II) Roots (III) Stem
(IV) Seeds (V) Bark

Identify the correct option

- (A) All except V (B) All except III
(C) Only IV (D) All I to V