

SCHOOL-BASED ASSESSMENT (SBA) - 2025

END-OF-YEAR ASSESSMENT

SUBJECT: SCIENCE

GRADE-6

FINAL TERM

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks], Time = 3 hours

School Name: _____

Student Name : _____

Roll Number : _____

Section : _____

OBJECTIVE PART(MCQs)

Question No.1 : The kidney shaped cells in a leaf are called:

- (a) epidermal cells (b) guard cells (c) mesophyll cells (d) xylem cells

Question No.3 : Both bone and white blood cells have the _____ shape.

- (a) flat (b) irregular (c) cylindrical (d) disc like

Question No.5 : The process in which an underground stem develops asexually into a new plant is called:

- (a) grafting (b) budding (c) germination (d) pollination

Question No.7 : Glucose, sugar, and starch belong to which food group?

- (a) Carbohydrates (b) Proteins (c) Fats (d) Vitamins

Question No.9 : Deficiency of water in our body causes:

- (a) dehydration (b) cough (c) obesity (d) cancer

Question No.11 : The reverse process of evaporation is:

- (a) melting (b) freezing (c) boiling (d) condensation

Question No.13 : The atomic number of Boron is:

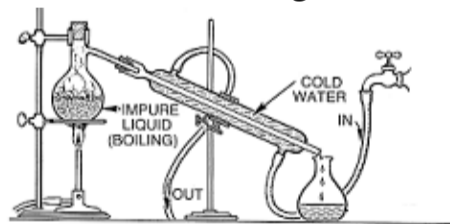
- (a) 105 (b) 15 (c) 5 (d) 115

Question No.15 : Which of the following is a neutral particle?

- (a) Neutron (b) Proton (c) Electron (d) Positron

Question No.17 : Identify the process shown in the image.

- (a) Crystallization
(b) Distillation
(c) Sublimation
(d) Chromatography



Question No.19 : The unit of energy is:

- (a) kilogram (b) meter (c) kilometer (d) joule

Question No.21 : Which of the following sources of energy is pollution-free?

- (a) Coal (b) Natural gas (c) Crude oil (d) Solar

Question No.23 : What is electric current?

- (a) Flow of water (b) Flow of charges (c) Movement of air (d) Flow of heat

Question No.25 : Common example of static electricity from our daily life is:

- (a) rain (b) storm (c) lightning (d) wind

Question No.27 : A magnet can lose its magnetic property by:

- (a) breaking (b) cooling (c) rubbing (d) hammering

Question No.2 : Identify a plant cell from the following:

- (a) Muscle cell (b) Nerve cell (c) Bone cell (d) Guard cell

Question No.4 : Which of the following is an example of asexual reproduction in plants?

- (a) Budding (b) Fertilization (c) Pollination (d) Seed Formation

Question No.6 : A food rich in carbohydrates is:

- (a) apple (b) chicken (c) rice (d) egg

Question No.8 : Which of the following organs is NOT a part of the digestive system?

- (a) Stomach (b) Appendix (c) Small intestine (d) Mouth

Question No.10 : The quantity of matter in any object is called:

- (a) weight (b) density (c) volume (d) mass

Question No.12 : The scent of perfume can be smelled outside the room due to:

- (a) condensation (b) low temperature (c) diffusion (d) high temperature

Question No.14 : Which of the following is used by plants for making food?

- (a) Sugar (b) Carbon dioxide (c) Oxygen (d) Hydrogen

Question No.16 : Homogenous mixtures are also called:

- (a) solute (b) solution (c) solvent (d) compound

Question No.18 : Which of the following mixtures is also known as solution?

- (a) Rock (b) Pizza (c) Steel (d) Salad

Question No.20 : The amount of kinetic energy depends upon:

- (a) mass and volume (b) mass and speed (c) mass and length (d) length and volume

Question No.22 : Which basic material is used in the production of solar cells?

- (a) Plastic (b) Gold (c) Neon (d) Silicon

Question No.24 : In order to light a bulb in a simple circuit, the switch must be:

- (a) on (b) off (c) broken (d) removed

Question No.26 : Identify materials that are attracted to magnets.

- (a) Wood and plastic (b) Iron and nickel
(c) Glass and rubber (d) Fabric and paper

Question No.28 : In which device, an electromagnet is commonly used?

- (a) A refrigerator (b) An electric bell (c) A gas stove (d) Washing machine

Question No.29 : The purpose of using fertilizers on soils is to provide:

- (a) water (b) sun light (c) nutrients (d) carbon dioxide

Question No.31 : Mars is called the red planet due to the presence of:

- (a) aluminium (b) copper (c) iron (d) zinc

Question No.30 : Comet Halley appears after how many years?

- (a) 76 years (b) 46 years (c) 56 years (d) 96 years

Question No.32 : What is a meteoride called when it enters the Earth's atmosphere and burns?

- (a) Meteorite (b) Meteoroid (c) Meteor (d) Comet

SUBJECTIVE PART(CRQs)

Question No: 33

a) Write any two sources of fats. (2 Marks)

b) Define pollination. How does self-pollination occur? (4 Marks)

c) Explain how the structure of muscle cells and red blood cells perform their specific functions in the body. (4 Marks)

Question No: 34

a) Write the names of four digestive glands. (4 Marks)

b) What is the importance of fibre in our body? (2 Marks)

c) Write the four functions of fats in the human body. (4 Marks)

Question No: 35

a) Why the rate of diffusion is faster in gases than liquids? (3 Marks)

b) Write five uses of metals in our daily lives. (5 Marks)

c) Write any four uses of compounds. (4 Marks)

Question No: 36

a) Write the names of four components of an electric circuit. (4 Marks)

b) Define static electricity and give an example. (2+1=3 Marks)

c) Write three factors that affect the strength of electromagnets. (3 Marks)

Question No: 37

a) Differentiate between planets and dwarf planets. (2+2=4 Marks)

b) Write any two properties of meteoroids. (2 Marks)

c) Write any two differences between Earth and Mars. (4 Marks)