

# **SSLC EXAMINATION 2020**

## **PASSING PACKAGE**



**PREPARED BY THE FACULTY OF  
TRILLIUM PUBLIC SCHOOL, RT NAGAR  
BANGALORE-32**



---

**SHABREEN SULTANA**

**AYESHA BANU**

**AYESHA AFSHAN**

**KHATIJA BI**

**SHAZIA QURAIISHI**

**NAGENDRA**

**SCIENCE**  
**PASSING PACKAGE**

**Diagrams**

**[12 Marks]**

1. Electrolysis of water.
2. Reaction of Zinc granules with dilute Sulphuric acid and testing hydrogen gas by burning.
3. Acid solution in water conducts electricity.
4. Action of steam on acid metal.
5. Testing the Conductivity of Salt Solution.
6. Electrolytic refining of Copper.
7. Open Stomatal pore – Closed Stomatal pore.
8. L/s of flower.
9. Germination of pollen on stigma.
10. Human alimentary canal.
11. Sectional view of Human Heart.
12. Excretory system in Human beings.
13. Nephron.
14. Human Brain.
15. Structure of neuron.
16. Simple circuit.
17. Ohm's law circuit.
18. Resistance in series and Parallel.
19. Circuit symbols.
20. Magnetic field around a straight conducting wire.
21. Electric motor.
22. Biogas plant.
23. Recombination of the spectrum of white light.
24. Ray diagrams of Concave mirror.
25. Ray diagrams of Convex lens.
26. Ray diagrams of Concave lens.
27. Defects of eye – myopia and Hyper metropia. [Ray diagrams]
28. Electric Generator.

## PHYSICS

1. Laws of Reflection
2. Laws of Refraction
3. Uses of Mirror and Lenses
4. Lens Formula, Mirror formula
5. Myopia, Hyper Metropia
6. Ohm's law
7. Ocean thermal energy
8. Conservation of fossil fuels.
9. Definition – Power of accommodation, Electric Power, Electric Potential.
10. Difference between Voltmeter & Ammeter.
11. Right hand thumb rule
12. Flemings right & left hand rule
13. Properties of Magnetic Field
14. What is solenoid?
15. What is electromagnetic induction?
16. Functions of Cornea, Lens, Iris, Pupil, Retina

## CHEMISTRY

1. Balancing the equations
2. Four types of Chemical reactions with equations.
3. Different Rancidity & Corrosion.
4. What are products of Lead nitrate.
5. Preparation of Salts
  - a. Sodium Hydroxide.
  - b. Bleaching Powder.
  - c. Washing Soda.
  - d. Plaster of Paris.
  - e. Baking Soda.
6. Definition: Water of Crystallisation.
7. Properties of Ionic Compounds.
8. What are Amphoteric oxides?
9. Chemical properties of ethanol.
10. Electron dot structure: - Methane, ethane, ethene.
11. Functional group & its structures.
12. Modern periodic Law: Law of triad, Law of Octaves
13. Why agitation is required to clean the clothes?
14. Mendeleev periodic law.
15. Drawing structures of Hydrocarbons.
16. What is Isomerism?
17. Difference between Calcination & Roasting.

18. What are Homologous Series?
19. Difference between Combustion & Oxidation.
20. Define esterification & Saponification.
21. What is Redox Reaction?

## **BIOLOGY**

1. Flow chart of Glucose Pathway.
2. Digestion in Small Intestine.
3. Difference between Valves & Septum.
4. Pathway of Reflex action.
5. Plant hormones & its function.
6. Animal hormones & its function.
7. Why menstruation occur?
8. Different methods of Contraception?
9. Difference between Inherited & Acquired trait.
10. Define Speciation.
11. Difference between Analogous & Homologous Organ.
12. What are Fossils? How can we determine the age of fossils?
13. 10% Rule.
14. Causes of Ozone Layer depletion.
15. Advantage of Cloth bag over Plastic Bag.
16. 5R's.
17. Advantages & Disadvantages of Dams.
18. Difference between Biodegradable & Non- Biodegradable Substances.
19. Definition of Vegetative Propagation, Fragmentation, Budding, Spore Formation.
20. Functions of Cerebrum, Cerebellum & Medulla Oblongata.
21. Write a note on Lymph.
22. Nutrition in Amoeba.
23. Difference between
  - (a) Autotrophic & Heterotrophic nutrition
  - (b) Transpiration & Translocation.
24. Monohybrid & Dihybrid cross with ratios.
25. The sex of a child is determine what they inherit from their father & not from the mother. Justify