

SSC PUBLIC EXAMINATIONS 2026 : MODEL PAPER -2 : BLUEPRINT

Subject: GENERAL SCIENCE-1

Unit/Paper:

Class: 10TH CLASS

Time: 2 Hr.15 min.

Max Marks: 50 MARKS

S. No.	Objective ↑	Knowledge (20%)				Understanding (25%)				Application (20%)				Analysis (15%)				Evaluation (10%)				Creation (10%)				Total
		E/LA 8m	SA 4m	VSA 2m	O 1m	E/LA 8m	SA 4m	VSA 2m	O 1m	E/LA 8m	SA 4m	VSA 2m	O 1m	E/LA 8m	SA 4m	VSA 2m	O 1m	E/LA 8m	SA 4m	VSA 2m	O 1m					
1	Form of Questions ↓ Content Unit ↑	1							1														9			
	Chemical Reactions and Equations																									
2	Acids Bases and Salts					1														1			10			
	Metals and non metals				1					2													9			
4	Carbon and it's compounds	1						1													1		11			
	Light- Reflection and Refraction									1									1				11			
6	The Human Eye and Colourful world				1									1									9			
	Electricity												2	1							1		11			
8	Magnetic effects of electric current					1																	8			
		16			2	16		2	2										4		4	1				
	Total (Col-wise) ↑	10 (8)				12 (8)				10 (4)				8 (8)				5				5				50 (+28 as choice)

Notes: Figures within brackets to indicate the marks of question given as internal choice.

Summary: Essay (E)

Short Answer (SA)

Very Short Answer (VSA)

Objective (O)

:

No.

Marks:

24

Marks:

12

Pattern of Options

: Internal Choice for Q.No.s 12, 15, 16 and 17

:

No.

Marks:

6

Marks:

8

Scheme of Sections

4 (8x1=8; 3x2=6; 3 x4=12; 3x8=24)

Format of Design (Subject other than language)
Question Paper/Test

Subject: General science-1

Unit/Paper: 19T/E

Class: X

Time: 2 hrs 15 min

Marks: 50

Weightage to Objective

Objective	Knowledge	Understand	Application	Analyse	Evaluation	Creation	Total
% of Marks	20	25	20	15	10	10	100
Marks	10	12	10	8	5	5	50

Weightage to Form of Question

Forms of Questions	E/LA	SA	VSA	O (MCQ) - 1 Mark Qns	Total
No. of Questions	3	3	3	8	17
Marks Allotted	24	12	6	8	50
Estimated Time (min)	60	30	15	15	120 min

Weightage to Objective

S. No.	Unit/Sub-Units	Marks
1	Chemical Reactions and Equations	9
2	Acids Bases and Salts	10
3	Metals and non metals	9
4	Carbon and it's compounds	11
5	Light-Reflection and Refraction	11
6	The Human Eye and Colourful world	9
7	Electricity	11
8	Magnetic effects of electric current	8
Total		50 + 28

Estimated Difficulty Level	Difficult	15 % Marks
	Average	45 % Marks
	Easy	40 % Marks

Index of Abbreviations

(E/LA: Essay/Long Answer; SA: Short Answer; VSA: Very Short Answer; O: Objective)

SSC PUBLIC EXAMINATIONS 2025 - 26

GENERAL SCIENCE - PAPER-I
PHYSICAL SCIENCE (MODEL PAPER - 2)
(ENGLISH VERSION)

Time : 2 Hours

Max. Marks : 50

Instructions :

1. Question paper consists of 4 sections and 17 Questions.
 2. Internal Choice is there only for Q.No. 12 in Section-III and for all the Questions in Section-IV.
 3. In the duration of 2 hours, 15 minutes of time is allotted to read the Question paper.
 4. All answers should be written in the answer booklet only.
 5. Answer should be written neatly and legibly.
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SECTION-I

Note : 1) Answer all the Questions.

2) Each question carries 1 mark.

(8 × 1 = 8 M)

1. Suggest one method to prevent corrosion.
2. Which one of the following is a non metal?
A) Magnesium B) Gold C) Sulphur D) Silver
3. Write the formula of first member of the homologous series to which C_5H_{10} belongs.
4. Find the Power of a Convex lens having a focal length of 50cm.
5. The least distance of distinct vision for a young adult with normal vision is about _____.
6. Draw the symbol of Ammeter.
7. Which device is used to protect electric appliances from overloading in the household circuits?
8. If two resistors of 6Ω and 12Ω were given to you, then How do you connect them to get 4Ω as resultant resistance.

SECTION-II

Note : 1) Answer all the Questions.

2) Each question carries 2 marks.

(3 × 2 = 6 M)

9. What happens if Curd or sour substances kept in brass or copper vessels?
 10. Explain combustion with an example.
 11. Predict and write about the world without lenses.
-

SECTION-III

- Note :** 1) Answer all the Questions.
2) Each question carries 4 marks.

(3 × 4 = 12 M)

12 Draw any one of the following diagrams:

(A) Draw a neat ray diagram of formation of image when the object is placed in front of a convex lens in the following positions :

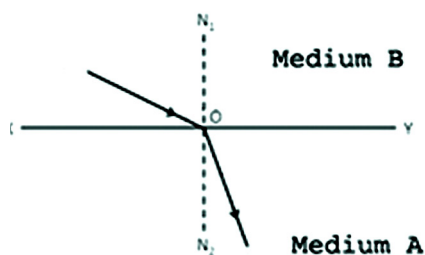
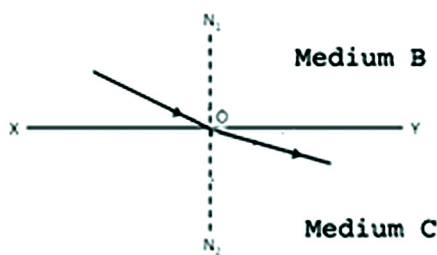
- i) At F_2 ii) beyond $2F_2$

(OR)

(B) Draw a neat diagram to show the electrolytic refining of copper.

13. Write any four uses of metals.

14. Following diagrams show refraction of light in two cases. Answer the questions given below based on the diagrams given.

Case-1**Case-2**

- Which medium is optically rarer among A,B and C?
- Which medium is optically denser among A,B and C?
- Arrange A,B and C in ascending order with respect to speed of light.
- Arrange A,B and C in ascending order of their refractive indices.

SECTION-IV

- Note :** 1) Answer all the Questions.
2) Each question carries 8 marks.
3) Each question has an internal choice.

(3 × 8 = 24 M)

15. A) Teja is not able to see the letters clearly far from her. Identify the eye defect she has been suffering from and how can you rectify it? Explain.

(or)

B) Derive the expression for resultant resistance when three resistors are connected in series.

16. A) State and explain four types of chemical reactions with an example each.

(or)

B) State and Explain cleaning action of soap.

17. A) Describe an activity to show that the magnetic field produced around a current carrying straight conductor.

(or)

B) Write an activity to show that the reaction of acids with metals.
