

S.S.C. PUBLIC EXAMINATIONS - PHYSICAL SCIENCE

WEIGHTAGE TO ACADEMIC STANDARDS

	Academic Standards	Weightage	Marks
I	Conceptual Understanding	40%	20
II	Asking Questions & Making Hypothesis	10%	05
III	Experimenting & Field Investigation	16%	08
IV	Information Skills	14%	07
V	Communication Through Diagram	10%	05
VI	Application to Daily Life, Concern to Biodiversity	10%	05
	Total	100%	50

NUMBER OF QUESTIONS ON ACADEMIC STANDARDS

Marks	AS-I	AS-II	AS-III	AS-IV	AS-V	AS-VI	Total
1 MQs	4	1	–	1	1	1	8 Qs
2 M Qs	–	2	–	1	–	–	3 Qs
4 MQs	–	–	–	1	1(1)	1	3(1) Qs
8 MQs	2(2)	–	1(1)	–	–	–	3(3) Qs
Total	20 M	5 M	8 M	7 M	5 M	5 M	17(4) Qs
Maks							

Number in () indicates Internal Choice

UNIT-WISE WEIGHTAGE

Name of the Unit	1 M	2 M	4 M	8 M	Total Questions	Total Marks
Chemical Reactions and Equations	1	–	–	1	2	9
Acids, Bases and Salts	2	–	1(1)	–	3	6(4)
Metals and Non-metals	1	–	–	(1)	1	1(8)
Carbon and its compounds	1	1	–	(1)	2	3(8)
Light-Reflection and Refraction	–	1	2	–	3	10
The Human Eye and Colourful World	1	–	–	1	2	9
Electricity	2	1	–	(1)	3	4(8)
Magnetic effects of Electric current	–	–	–	1	1	8
Total	8×1 = 8M	3×2 = 6M	3×4 =12M	3×8 =24M	17	50

Number in () indicates Internal Choice

SSC PUBLIC EXAMINATIONS 2024 - 25
GENERAL SCIENCE - PAPER-I
PHYSICAL SCIENCE
(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.

SECTION-I

Note : 1) Answer all the Questions.

2) Each question carries 1 mark.

(8 × 1 = 8 M)

1. Predict, Exhalation air is hotter than Inhalation air in respiration process.
2. gas is released on the reaction of zinc granules with dilute sulphuric acid.

3.

Solution	A	B	C	D	E
pH value	4	1	12	7	9

Which is the strong alkaline solution among the solutions given in the table ?

4. Write any one physical property of metals.
5. Write any one use of carbon compound.
6. The least distance of distinct vision for a young adult which normal vision is about ()
a) 25m b) 2.5 cm c) 25 cm d) 2.5 m
7. Draw the symbol of an electric cell.
8. What is the SI unit of resistance of a conductor connected in an electric circuit ?

SECTION-II

Note : 1) Answer all the Questions.

2) Each question carries 2 marks.

(3 × 2 = 6 M)

9. Which of the following hydrocarbons undergo addition reactions.
 C_2H_6 , C_3H_8 , C_3H_6 , C_2H_2 and CH_4
10. A ray of light travelling in air enters obliquely into water. Predict and write whether that light ray bends towards the normal or away from the normal ? Why ?
11. Pose any two questions to understand the concept of Ohm's law.

