

S.S.C. PUBLIC EXAMINATIONS - 2024

GENERAL SCIENCE - PAPER-I (Physical Science) MODEL PAPER

Time : 2 hrs

(English Version)

Max. Marks : 50

Instructions :

- 1) Question paper consists of 4 sections and 17 questions.
- 2) Internal choice is available 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 shall be written in the answer booklet only.
- 5) Answers shall be written neatly and legibly.

SECTION - I

$8 \times 1 = 8 \text{ M}$

- Note : 1) Answer **ALL** the questions.
2) Each question carries 1 mark.

1. Convert 25°C into Kelvin scale.
2. Give an example for olfactory indicator.
3. From the data given in the table :
In which material medium light travels faster?

Material Medium	Air	Ice	Water	Diamond
Refractive Index	1.003	1.31	1.33	2.43

4.  Which material medium is denser in the given figure?

5. Draw a neat diagram of the shape of biconvex lens.
6. **Assertion 1** : Sky appears in blue colour due to the scattering of light.
Assertion 2 : Blue colour has the longest wavelength among all colours of white light.
A) Both the Assertions are true B) Both the Assertions are false
C) Only Assertion 1 is true D) Only Assertion 2 is true
7. Imagine and write the element that exists in 1 group 1 period.
8. How do you appreciate the role of soap in daily life ?

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web the pcl 3 lewis structure has the typical case of phosphorus p in the center with 3 bonds to 3 other atoms phosphorus is from the same column as nitrogen in the periodic table meaning that p and n generally have the same bonding structure note the lone pair dots without bonds on top of p just like for n in the previous example for nh 3 chlorine cl

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