

**CCT CLASS VIII
SCIENCE
SESSION ENDING EXAM 2022-2023**

TIME: 30 MINS

MM:15

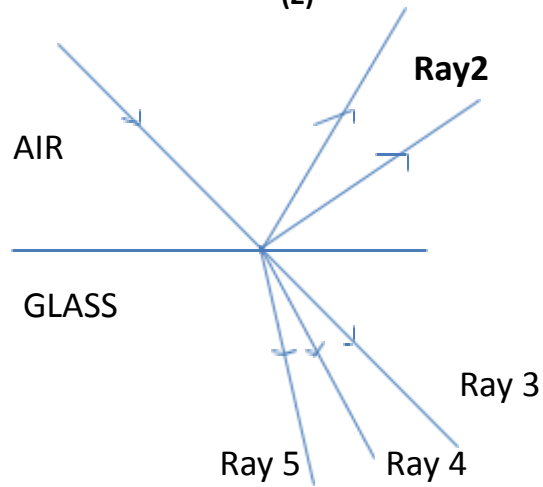
General Instructions:

- 1 Read passage carefully and observe figures keenly.**
- 2 Marks are indicated against each question.**
- 3 Answers are to be written in the space provided for.**

1. When an incident ray of light hits a water or glass surface, most of the light passes through the air-water interface and a little is reflected. Which of the four rays are the reflected rays and the refracted rays.

Ray 1

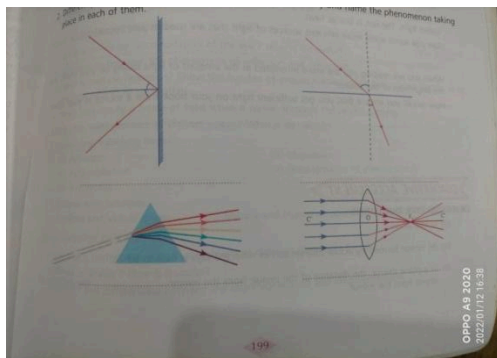
(2)



ANSWERS:

2. Different phenomenon related to light are shown here. Identify and name the phenomenon taking place in each of them

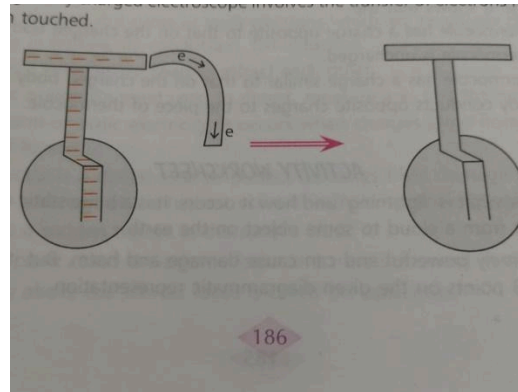
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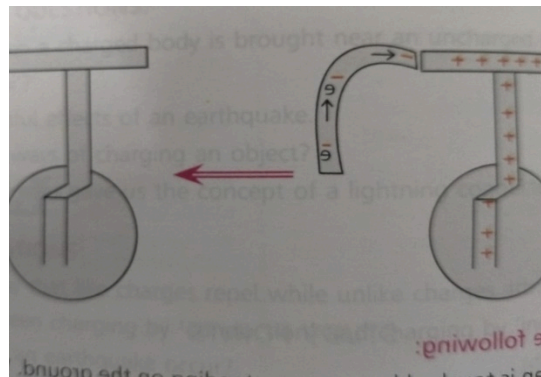
- | | |
|---------|---------|
| 1 _____ | 2 _____ |
| 3 _____ | 4 _____ |

3. Objects can be charged by friction, by induction and by conduction. How do we uncharge an object. The process of removing excess charge on an object is known as grounding as done in the case of a lightning conductor.

The grounding of negatively charged electroscope involves the transfer of electrons from the electroscope to the ground when touched.



The grounding of positively charged electroscope involves the transfer of electrons from the ground to the electroscope.



Now think and answer the following:

(2)

A. A positively charged can is touched by a person standing on the ground . What is likely to happen.

B. A person installed a lightning rod on top of his house but failed to earth it . What would be the consequence of such an act. Explain.

4. The table below contains parts of words from the world of astronomy. Find the ones that fit together and write down in the space provided. (4)

on	com	net	ellation
met	or	Aste	Sate
llite	const	eor	bit
roid	pla	mo	et

ANSWERS

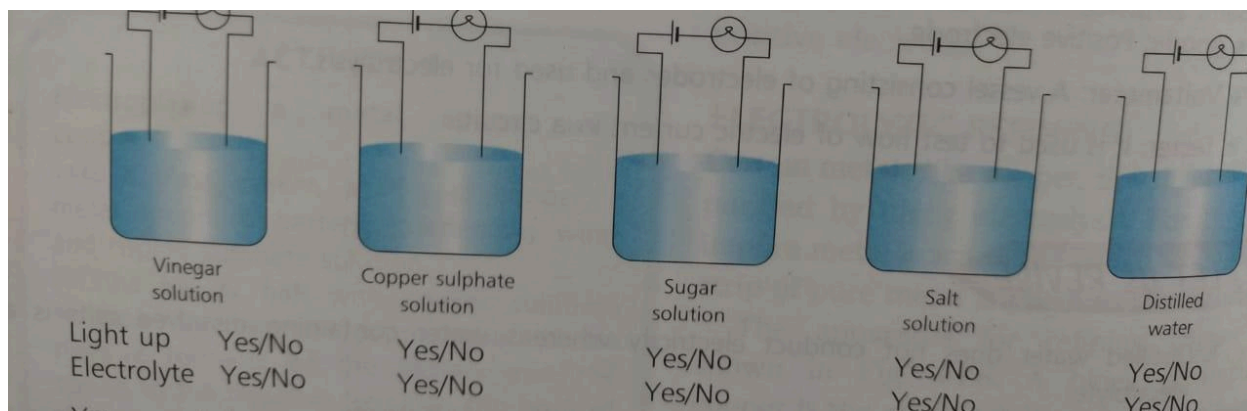
5. Phases of moon: we always see the same side of the moon depending on we are in northern or southern hemisphere. The moon always shows us the same side so we can never see its other side from the earth.



A. Why do we always see the same side of the moon from the earth. (2)

B. When does new moon occur.

6. In which of the following set –up the bulb will light up. (3)



Your conclusions are based on your knowledge about electrolytes and non-electrolytes. Fill in the missing words to describe the principle that helped you to come to the above conclusion.

When the liquid between the two ends of a tester _____ the current to pass the _____ is complete and the bulb _____. Such a liquid is called _____.

When the liquid _____ The current to pass between the ends of a tester the circuit remains incomplete. The bulb _____ glow. Such liquids are called _____.