

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT-2
SUBJECT: SCIENCE

CLASS: - VIII
DATE:- 2-3-14

MARKS:-60
TIME:-2HOURS

I. CHOOSE THE APPROPRIATE ANSWERS FROM THE OPTIONS GIVEN BELOW: (1×10=10)

1. The SI unit of pressure is
a) N^{-2} b) N/M^2 c) NM d) $dyne/M^2$
2. If two plane mirrors are placed parallel to each other then we get
a) two image b) infinite image c) one image d) three image.
3. The planet which is also known as Red planet is
a) Mercury b) Mars c) Saturn d) Venus .
4. Lightning is a process of
a) producing positive charges b) detecting negative charges
c) electric discharge d) producing positive & negative charges.
5. During electroplating process the metal on which electroplating is to be done should be at
a) cathode b) anode c) electrolyte d) both cathode & anode.
6. Which of the following is a star?
a) Orion b) diebos c) Alpha Centuari d) Phobos.
7. The pitch of sound depends on
a) amplitude of oscillation b) frequency of oscillation c) wavelength d) both a& c.
8. Which of the following is not a greenhouse gas?
a) carbon dioxide b) water vapour c) methane d) sulphur dioxide.
9. Which kind of celestial bodies have a head & a tail?
a) planets b) asteroids c) meteorite d) comets.
10. Lubricants are used to
a) increase friction b) decrease friction c) make surface oily d) make surface shine.

II. VERY SHORT ANSWER TYPE QUESTIONS:

(1×5=5)

1. What is eutrophication?
2. Name the largest & smallest planet of the solar system.
3. What is refraction?

OR

What will be the number of images formed when the angle between two mirrors is 60° ?

4. State one function of: - a) cornea b) iris.
5. Define frequency. How is it measured?

III. SHORT ANSWER TYPE QUESTIONS:-

(2×6=12)

1. Why do we feel the strain on the eyes while trying to concentrate on minute objects kept nearby?
2. a) Define pressure.
b) The area of contact of a body weighing 2000N is 40 m^2 . Calculate the pressure exerted by it.
3. How does noise differ from music? (Two points)
4. Define: - a) Electric circuit b) Electrolysis.
5. State the law of conservation of charges.
6. a) Why do meteors burn on entering into the atmosphere?
b) Mention two effects of frictional force.

IV. LONG ANSWER TYPE QUESTIONS:-

(3×6=18)

1. What do you mean by the following terms?
a) Tectonic plates b) epicenter of earthquake c) lightning.
2. Name the following:-
a) i) First Indian artificial satellite launched.
ii) Artificial satellite used for weather forecasting.
b) What is a light year?
c) Which planet is called as Earth's twin? Why it is called so?
3. How is acid rain caused? Mention its harmful effects. (Any two)
4. Give reason:-
a) Dams are built with broad base.
b) The soles of the shoes of athletes are provided with spikes & grooves.
c) If an object is thrown up, it finally comes down.
5. a) Define Wavelength.
b) What is decibel?
c) In a concert hall, echo is desirable to some extent. Justify.
6. Enlist the three rules that are followed by light during refraction.

V. VERY LONG ANSWER TYPE QUESTIONS:-

(5×3=15)

1. a) Draw a neat labeled diagram of the human ear.
b) Explain. how our ears help us to hear.

OR

a) Draw a neat labeled diagram of the human eye.
b) Mention two defects of the human eye and how can it be corrected.
2. With a neat labeled diagram describe an activity to demonstrate the electroplating of iron with copper.
3. On seeing Taj Mahal. Raju said, "what a wonder"? But Naveen was not much happy. Raju asked for the reason to which Naveen said when he had seen it earlier it was much brighter than today. Both asked their chemistry teacher. who gave a satisfying answer to which both nodded with a positive gesture.
i) What according to you could be the reason for the change in the appearance of Taj Mahal.
(Write 2 reasons)
ii) How can this change be prevented? (Write 2 points)
iii) What values are shown by Raju and Naveen?

*****THE END*****