

**INDIAN SCHOOL SOHAR**  
**SUMMATIVE ASSESSMENT-2**  
**SUBJECT:-SCIENCE**

No of pgs-2

**CLASS:-VIII**  
**DATE:- 15-3-15**

**MARKS:-60**  
**TIME:- 2 HRS**

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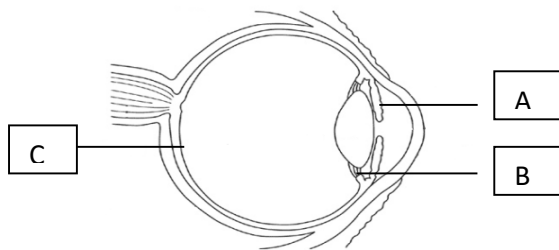
**GENERAL INSTRUCTIONS:**

**This Question Paper Carries 32 Questions. Read the instructions carefully and answer.**

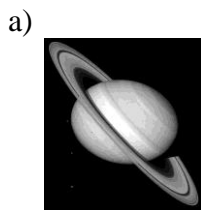
- 1. Questions 1 to 10 are Multiple Choice Questions carrying 1 mark each.**
- 2. Questions 11 to 18 are Very Short Answer Type Questions carrying 1 mark each.**
- 3. Questions 19 to 24 are Short Answer Type Questions carrying 2 marks each.**
- 4. Questions 25 to 29 are Long Answer Type Questions carrying 3 marks each.**
- 5. Questions 30 to 32 are Very Long Answer Type Questions carrying 5 marks each.**

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1. The sun is a huge ball of hot gases. These gases are:  
a) Hydrogen & Carbon-dioxide    b) Oxygen & Helium    c) Hydrogen & Helium    d) Oxygen & Nitrogen.
  2. Endocrine glands release their secretions:  
a) outside the body    b) into the ducts    c) inside the body    d) directly into the blood.
  3. In which of the following materials is the speed of sound maximum?  
a) air    b) sea water    c) fresh water    d) iron.
  4. An electrolyte is a:  
a) metal    b) a solution    c) nonmetal    d) liquid that conducts electricity.
  5. Where is the atmospheric pressure maximum?  
a) at sea level    b) on mountains    c) on land    d) in deserts.
  6. The large number of rocks that lie between orbit of Mars & Jupiter are called :  
a) Comets    b) Meteoroids    c) Asteroids    d) Meteor .
  7. If the angle between two mirrors is  $120^\circ$  how many images will be formed?  
a) 2    b) 3    c) 6    d) 1.
  8. The gas mainly responsible for green house effect is:  
a) Carbon-dioxide    b) Carbon-monoxide    c) Nitrogen    d) Ammonia.
  9. The level of normal conversation is about \_\_\_\_\_ decibel:  
a) 20 to 30    b) 60 to 65    c) 80 to 85    d) 110 to 120.
  10. If a glass rod is rubbed with silk, the rod will acquire:  
a) positive charge    b) negative charge    c) no charge    d) some positive & negative charge .
  11. i) Frictional Force: Contact, Noncontact force:- \_\_\_\_\_  
ii) Liquid pressure: \_\_\_\_\_ Barometer: Atmospheric pressure.
  12. On what principle does the periscope work? Write one use of it.
  13. The use of CNG instead of diesel is being encouraged these days. Why?(2 points)
  14. Name the ions discharged at cathode and anode during the electrolysis of copper chloride solution.
  15. Why does the tail of a comet always point away from the sun?
  16. Name the following: a) Emergency hormone    b) Hormone associated with metamorphosis in frogs.
  17. In concert halls, echo is desirable to some extent. Justify.(2 points)
  18. Why is an atom said to be electrically neutral?
  19. a) State the law of conservation of charges.  
b) Why there is maximum damage near the epicenter during an earthquake?
  20. Write the four ill effects caused by noise pollution on human health.

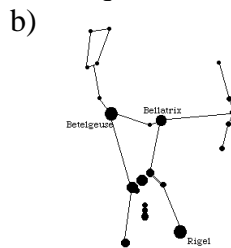
21. If glucose is dissolved in distilled water, will the solution conduct electricity. Why? (2points)
22. a) Porters wear turban while carrying load on their head. Why? (2 points)  
 b) How is friction caused? (2 points)
23. Calculate the pressure produced by applying 20N force on a floor measuring 1m wide & 4m long.
24. What is a shooting star? Why does it burn completely before reaching the Earth's surface?
25. Saritha & Sam live in a fishing village in the southern tip of coastal India, a thunderstorm and lightning warning has been issued by the weather department.  
 List three important precautions they should take during the thunderstorm & lightning.
26. a) When and why was Ganga action plan started?  
 b) What is eutrophication? What are its effects. (Write 2 effects.)
27. a) What are ball bearings? Why it is used?  
 b) Why do mountaineers suffer from nose bleeding at high altitude?
28. Label the following parts in the given diagram and state one function of each.



29. Observe the following figures and answer the questions.



- i) Name this celestial object.  
 ii) Name the largest satellite it has?  
 iii) What is this object often called?



- i) Name this object?  
 ii) Name the bright star it helps to spot.  
 iii) What shape it depicts?

30. a) What is electroplating?  
 b) How can you electroplate an iron spoon with copper using copper sulphate solution?  
 Explain with the help of a circuit diagram.
31. A student sitting on the last bench in a class room cannot read the black board clearly.  
 a) Name the kind of defect the student is suffering from.  
 b) What kind of lens he has to use to correct this defect?  
 c) State two possible reasons for this defect of vision.  
 d) Draw a labeled ray diagram and explain for. i) The defective eye ii) Corrected eye.
32. a) Draw a neat diagram of a human ear and label two parts of each outer, middle & inner ear.  
 b) Differentiate between infrasonic and ultrasonic sound. (1point each)

\*\*\*\*\*THE END\*\*\*\*\*