



# St. Xavier's Sr. Sec. School

Delhi-54

## Summative Assessment II SCIENCE – Std. 8

20-2-2017

M. Marks : 90  
Time : 3 hrs.

### *General Instructions:*

- i) All questions are compulsory.
- ii) Questions should be answered in sequential orders on the answer sheet.
- iii) Question paper consists of two parts A & B.
- iv) Part A consists of multiple choice questions.
- v) Mark the correct option and write the suitable answer in the box provided with the capital letter.
- vi) Part A should be completed in first 15 minutes and handed over to the invigilator.
- vii) Part B should be completed in 2 hours 45 minutes on the answer sheet provided to you.
- viii) Marks will be deducted for untidy & incomplete work.

### **PART – B**

1. Define : a) carbonization b) refining (1)
2. a) Which of the following practices are carried out before sowing seeds in the soil: harvesting, threshing, ploughing, levelling and winnowing.  
b) Give one word for the following:  
Same kind of plants grown and cultivated at a place. (1)
3. What is the audible range of sound frequencies for human beings? (1)
4. Give two differences between Zygote and Foetus. (2)
5. Prepare a table having two columns depicting names of two endocrine glands and hormones secreted by them. (2)
6. What is noise? In what way noise pollution is harmful to humans? (2)
7. How are planets different from stars? (2)
8. The weather department has predicted that a thunderstorm is likely to occur on a certain day. Suppose you have to go out on that day. Would you carry an umbrella? Explain. (2)
9. a) Name the following constituents of petroleum which are used for:  
i) solvent for dry cleaning ii) Road surfacing  
b) Give two guidelines laid forward by PCRA to save petrol. (2)
10. Describe asexual reproduction. Describe any one method of asexual reproduction in animals along with diagram. (3)



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11. A pendulum oscillates 50 times in 25 seconds. Find its time period and frequency. (3)
12.
  - a) Explain why fossil fuels are exhaustible natural resources.
  - b) Give two uses of coal tar.
  - c) Explain the process of formation of petroleum. (3)
13. Name the following: (½ x 6=3)
  - a) The product formed when Magnesium burns in oxygen.
  - b) The minimum temperature that must be reached for a substance to catch fire.
  - c) The hottest zone of the candle flame.
  - d) The type of combustion in which large amount of gas is formed.
  - e) Substances which catch fire easily.
  - f) The rain water in which oxides of sulphur and nitrogen are dissolved.
14.
  - a) Why some birds are seen during a particular season in our country?
  - b) What is Red data book?
  - c) Why should we conserve biodiversity? Explain. (3)
15. Give reasons for the following:
  - a) Proper storage of grains is necessary.
  - b) Loosening of soil is essential
  - c) Organic manure should be used. (3)
16. Name the following:
  - a) Largest planet of the solar system.
  - b) A group of stars that appear to form a pattern in the sky.
  - c) A body that revolves around a planet.
  - d) Brightest planet in the night sky.
  - e) Definite path in which a planet revolves around the sun.
  - f) Distance travelled by light in one year. (3)
17. What steps will you take to protect yourself from an earthquake: (3 points each)
  - a) if we are at home
  - b) if we are outside (3)
18. Explain with the help of an activity that sound needs a medium to travel. (3)
19. Describe a simple experiment to test whether lemon juice, tap water and milk are good or poor conducting liquids and whether magnetic compass will show deflection or not. (5)
20. Give reasons for the following:
  - a) A cracking sound is heard while taking off sweater during winters.
  - b) Thunder is heard much later than lightning strikes.
  - c) Lightning conductor consists of long rod in which one end is buried deep into the ground.
  - d) Pole star is stationary.
  - e) Life is possible on earth only. (5)



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21. a) 4.5kg of a fuel was completely burnt. The heat produced was measured to be 180,000kJ. Calculate the calorific value of the fuel.  
b) Draw a neat and well labelled diagram of a candle flame.  
c) Why is it dangerous to burn coal in a closed room? (5)
22. a) How are manures different from fertilizers? (any three points)  
b) What are weeds? How can we control them? (5)
23. a) Why should we conserve paper?  
b) What will happen if the habitat of an animal is disturbed?  
c) Differentiate between:  
i) Flora and Fauna  
ii) Endangered and Extinct species  
iii) Wild Life Sanctuary & National Park (5)
24. a) Define adolescence.  
b) What is menstruation?  
c) Explain the changes in the body that take place at puberty. (any 3) (5)

-X-X-X-X-X-



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Std. 8

Time : 15 mts.

20-2-2017

Summative Assessment II in **SCIENCE**

Name : \_\_\_\_\_ Sec. \_\_\_\_\_ Roll No. \_\_\_\_\_

## PART - A

- Pitch of sound depends upon:  
a) amplitude of oscillation  
b) frequency of oscillation  
c) both a and b  
d) none of the above
- Sound is produced by:  
a) moving object  
b) stationary object  
c) vibrating body  
d) rotating body
- Sudden shaking of earth is called:  
a) lightning  
b) earthquake  
c) thunderstorm  
d) landslides
- The process of transferring of charge from a charged object to earth is called:  
a) short circuiting  
b) electrical neutralization  
c) earthing  
d) both a and b
- Which of the following is not a member of solar system?  
a) asteroid  
b) satellite  
c) constellations  
d) comet
- Adding salt to water:  
a) increases its electrical conductivity  
b) decreases its electrical conductivity  
c) does not change its conductivity  
d) none of the above
- Adolescents should be careful about what they eat, because  
a) proper diet is needed for the rapid growth taking place in their body  
b) proper diet develops their brains  
c) adolescents feel hungry all the time  
d) taste buds are well developed in teenagers
- Which of the following doesn't belong to the group?  
a) weed  
b) fungus  
c) insect  
d) urea
- Example of crop plants is:  
a) barley  
b) pulse  
c) wheat  
d) all of these
- Which one of these is endangered?  
a) cow  
b) dog  
c) cat  
d) tiger



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11. Testes produce:  
a) testosterone    b) sperms    c) both a and b  
d) none of these
12. The Adam's apple is:  
a) an apple    b) voice box    c) neck    d) throat
13. Soil is a \_\_\_\_\_ resource.  
a) natural    b) exhaustible    c) inexhaustible    d) both a and c.
14. Which of the following is true?  
a) coke is used for cooking food.  
b) coal gas is the pure form of carbon.  
c) coke produces  $\text{CO}_2$  when burnt in air.  
d) coal tar is used for extraction of metals.
15. Which of the following is used as a fuel in jet aircraft's?  
a) petrol    b) CNG    c) kerosene    d) diesel
16. Which of the following is a characteristic of a good fuel?  
a) high calorific value    b) it should be cheap and easily available  
c) burn at a moderate rate    d) all of the above
17. Which of the following is a supporter of combustion?  
a)  $\text{N}_2$     b)  $\text{CO}_2$     c)  $\text{H}_2\text{O}$     d)  $\text{O}_2$
18. Which of the following is a combustible substance?  
a) stone    b) cloth piece    c) melamine    d) steel

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	17	18
Answers																		

-X-X-X-X-X-