



# St. Xavier's Sr. Sec. School

Delhi-54

Class : 7  
Date: 22.2.2016

SUMMATIVE ASSESSMENT 2  
SCIENCE

Marks: 90  
Time: 2 Hours

Name: \_\_\_\_\_ Class & Sec. \_\_\_\_\_ R. No. \_\_\_\_\_

Note: All the answers should be done on the question paper itself.

I Multiple choice questions : (1x30=30)

- 1) Acid present in curd is \_\_\_\_\_  
a) Acetic acid                      b) lactic acid                      c) citric acid                      d) hydrochloric acid
- 2) Dilute acids react with metals to form salt and \_\_\_\_\_ gas  
a) H<sub>2</sub>                                      b) O<sub>2</sub>                                      c) CO<sub>2</sub>                                      d) none of these
- 3) What do farmers add to reduce the acidity of the soil?  
a) Sodium hydroxide                      b) Calcium carbonate                      c) Sodium chloride                      d) calcium hydroxide
- 4) Which of the following is not a physical change?  
a) Crushing paper                      b) Tearing paper                      c) Burning paper                      d) Making a paper boat
- 5) If M is more reactive than N, then  
a) N will combine with M                      b) M will displace N                      c) N will displace M                      d) M will breakdown N
- 6) In which of the following reactions, there is only one reactant?  
a) Decomposition reaction                      b) Displacement reaction                      c) Both of these                      d) None of these
- 7) The loss of water through the stomata is called  
a) Wilting                                      b) transpiration                      c) translocation                      d) transportation
- 8) Forests are called green lungs because they supply \_\_\_\_\_ to the atmosphere  
a) O<sub>2</sub>                                      b) CO<sub>2</sub>                                      c) N<sub>2</sub>                                      d) H<sub>2</sub>O
- 9) The wall surrounding the heart is known as  
a) septum                                      b) valves                                      c) pericardium                      d) auricles
- 10) The waste of human beings consists mainly  
a) urea                                      b) uric acid                                      c) ammonia                                      d) all of these
- 11) Seeds with wings are dispersed by  
a) water                                      b) animals                                      c) self-explosion                      d) wind
- 12) A wrist watch has a \_\_\_\_\_ that oscillates like a pendulum.  
a) wheel                                      b) balance wheel                      c) spinning wheel                      d) no wheel
- 13) Green plants are



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- a) producers                      b) primary consumers   c) secondary consumers   d) tertiary consumers
- 14) Which of the following is not a forest product  
a) Medicines                      b) Furniture                      c) Plastic                      d) Paper
- 15) Which of the following is a medicinal plant  
a) Rubber                      b) Screw pine                      c) Cinchona                      d) None
- 16) Coniferous forests are found in \_\_\_\_\_  
a) arid zone                      b) tropical zone                      c) polar region                      d) temperate zone
- 17) Living things and the environment together constitute the  
a) ecosystem                      b) food chain                      c) food web                      d) environment

Cont'd.....2/-

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(Class 7, Science, 22.2.16)

- 18) The image formed by a plane mirror is  
a) upright                      b) virtual                      c) same size as object                      d) all of these
- 19) \_\_\_\_\_ is an indicator dye extracted from lichen.  
a) Litmus                      b) Phenolphthalein                      c) Methyl orange                      d) China rose
- 20) Milk of magnesia is  
a) magnesium carbonate   b) magnesium hydroxide  
c) calcium hydroxide      d) potassium hydroxide
- 21) When \_\_\_\_\_ gas is passed through lime water, it turns milky white  
a) oxygen                      b) hydrogen                      c) nitrogen                      d) carbon dioxide
- 22) The process of crystallization involves cooling of a \_\_\_\_\_ solution  
a) saturated                      b) unsaturated                      c) supersaturated                      d) none
- 23) Organisms that excrete urea are referred to as \_\_\_\_\_  
a) Ureotelic                      b) uricotelic                      c) ammonotelic                      d) nitrotelic



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- 24) The male and female reproductive cells are called  
a) Zygote                      b) gametes                      c) pollination                      d) fertilization
- 25) A complete flower has  
a) only stamens    b) only pistil    c) both stamens and pistil    d) only petals and sepals
- 26) Fertilization means  
a) fusion of male and female cells    b) transfer of pollens from anther to stigma  
c) carrying of seeds by wind and water    d) explosion of fruits
- 27) 15 m/s in km/hr is  
a) 90 km/hr                      b) 4.2 km/hr                      c) 15 km/hr                      d) 15000 km/hr
- 28) The heart has a number of \_\_\_\_\_ that allows the blood to flow in one direction only  
a) Valves                      b) auricles                      c) ventricles                      d) septum
- 29) The principle of \_\_\_\_\_ motion is used in a pendulum clock  
a) Periodic                      b) linear                      c) circular                      d) random
- 30) Which of the following is used by a dentist to examine the teeth of a patient  
a) Plane mirror                      b) convex mirror                      c) concave mirror                      d) lenses

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Note: All the answers should be done on the answer sheet.

- I    Define: (1x6=6)
- a) Vascular bundles
  - b) Speed
  - c) Time period
  - d) Translocation
  - e) Lateral inversion



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f) Uniform motion

II Write short answers in about 2-3 sentences : (2x8=16)

- What is neutralization reaction? Give an example .
- Write two uses each of acids and bases.
- Why does a base applied to your skin give relief from a bee sting ?
- Why does rusting occur? Give three ways to prevent rusting.
- List two functions of sweat.
- A car travels 720m in one minute. What is the speed of the car?
- What are regular and irregular reflections?
- On what principle does a sundial work? What is the drawback of a sundial?

III Answer in 4-5 sentences of any 5 of the following : (3x5=15)

- Write about the three types of blood cells.
- Explain the process of tissue culture.
- With the help of an activity, prove that light travels in a straight line.
- Describe the post- fertilization changes in a flower.
- Explain: a) fragmentation b) budding
- What is reflection? Write the laws of reflection.

IV Give any two differences between: (2x6=12)

- Acids and bases
- Physical and chemical changes
- Arteries and veins
- Self-pollination and cross-pollination
- Concave and convex mirror
- Asexual and sexual reproduction

V Match the following : (3)

- |   |                      |
|---|----------------------|
| 1. Tannic acid                          | a. Corm              |
| 2. Coiled tube-like structure in kidney | b. Chemical change   |
| 3. Gladiolus                            | c. Property of light |
| 4. Rectilinear propagation              | d. Biodiesel         |
| 5. Potassium hydroxide                  | e. Tea               |
| 6. Burning of petrol                    | f. Nephrones         |

VI 1) Draw a neat labeled diagram of the human urinary system. (4)

2) Draw a neat labeled diagram of fertilization. (4)