

ANNUAL EXAMINATION, 2018-19

SCIENCE

Class - VII

Time : 3 hrs.

M.M.: 80

Name of the student _____ Section _____ Date-14.02.2019 (Thursday)

General Instructions :

- Read the question paper carefully.
- All questions are compulsory.
- The question paper comprises section A and section B. Section A carries descriptive type question and section B carries multiple choice question.
- Write the answers in sequence.
- Draw diagrams wherever required.

SECTION – A

- Q.1** What is the full form of ORS? [1]
- Q.2** What is pulse rate? [1]
- Q.3** a) Why calamine solution is applied on the skin when an ant bites? [1+1]
b) What is the formula of sodium hydroxide?
- Q.4** A simple pendulum takes 32 seconds to complete 20 oscillations. What is the time period of the pendulum? [2]
- Q.5** a) What is canopy? [1+1]
b) Explain why there is no waste in a forest.
- Q.6** a) Where is bile produced? [1+1+1]
b) What is the function of villi?
c) What is the role of mucus secreted by stomach?
- Q.7** a) Write any two differences between aerobic and anaerobic respiration. [2+1]
b) Why does an athlete breathe faster and deeper than usual after finishing the race?
- Q.8** a) What will happen if there are no platelets in the blood? [1 +1+1]
b) What makes the blood look red?
c) Why is it necessary to excrete waste products?
- Q.9** a) Name any two effects of electric current. [1+1+1]
b) When is a circuit said to be overloaded?
c) Name the scientist who discovered the magnetic effect of electric current.
- Q.10** a) Show the shape of the distance-time graph for the motion when a bus is parked on the road side. [1+2]
b) Salma takes 15min from her house to reach her school on a bicycle. If the bicycle has a speed of 2m/s, calculate the distance between her house and the school.
- Q.11** a) Write any two differences between a convex and a concave lens. [2+1]
b) What is a virtual image?
- Q.12** a) Explain how groundwater is recharged. [2+1]
b) What is infiltration?

- Q.13** a) What is crown of the tree? [1+ 2]
 b) What are decomposers? What do they do in the forest?

OR

- a) List two products we get from forests.
 b) Explain why there is a need of variety of animals & plants in a forest.

- Q.14** Draw a well labelled diagram of any one of the following : [3]
 Reproductive parts of a flower. (Stamen & Pistil)

OR

Reproduction in yeast by budding.

- Q.15** a) Name two chemicals used to disinfect water. [1+1+1]
 b) Why oils & fats should not be released in the drain?
 c) What is sludge?

- Q.16** a) Write three differences between acids & bases. [3+1+1]
 b) Name the source from which litmus solution is obtained.
 c) Name the acid present in curd and spinach.

- Q.17** a) Why do we often sneeze when we inhale a lot of dust-laden air? [2+2+1]
 b) What is inhalation and exhalation?
 c) Write one similarity between aerobic and anaerobic respiration.

- Q.18** a) Write three differences between sexual and asexual reproduction. [3+2]
 b) Write two differences between self-pollination and cross- pollination.

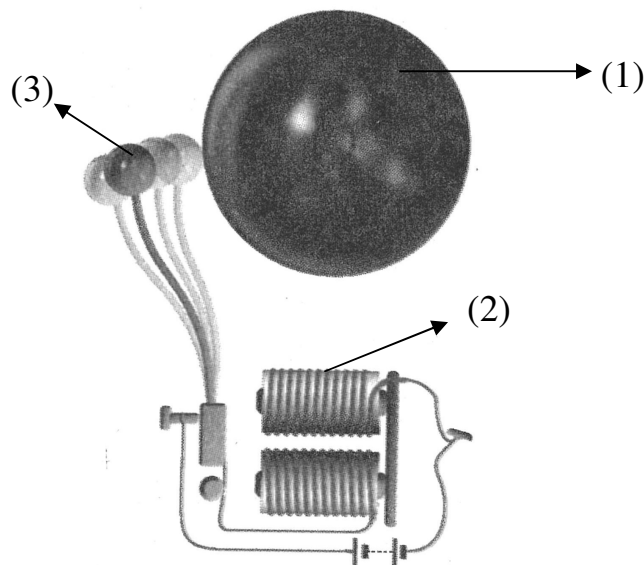
- Q.19** a) Give one use each of convex and concave mirror. [2+2+1]
 b) State the characteristics of image formed by a plane mirror.
 c) What is a real image?

OR

- a) Give two uses of concave mirror.
 b) Which mirror is used as a side mirrors in scooters and why ?
 c) Which type of mirror can form a real image?

- Q.20** a) Explain the relationship between sanitation and disease. [3+2]
 b) Untreated human excreta is a health hazard. Explain.

- Q.21** Label the parts given below 1 to 3 and answer the following questions. [3]



- a) Give the suitable heading of the given diagram. [1]
 b) What is an electromagnet ? [1]

SECTION-B

- Q.22** Amoeba digests its food in the [1]
a) villi b) food vacuole c) liver d) buccal cavity
- Q.23** Tooth decay is caused by the presence of a [1]
a) neutral b) salt c) acid d) base
- Q.24** In cockroaches, air enters the body through [1]
a) gills b) lungs c) spiracles d) skin
- Q.25** In plants, water is transported through [1]
a) xylem b) phloem c) stomata d) root hair
- Q.26** Bryophyllum can reproduce by its [1]
a) stem b) leaves c) roots d) flower
- Q.27** The basic unit of speed is [1]
a) km/min b) m/min c) km/h d) m/s
- Q.28** A battery is a combination of [1]
a) only single cell b) two or more cells
c) both (a) and (b) d) none of the above
- Q.29** A virtual image larger than the object can be produced by a [1]
a) concave lens b) concave mirror c) convex mirror d) plane mirror
- Q.30** Which one of the following is not responsible for water shortage? [1]
a) Rapid growth of industries b) Increasing population
c) Heavy rainfall d) Mismanagement of water resources
- Q.31** The total water [1]
a) in the lakes & rivers of the world remains constant
b) under the ground remains constant
c) of the world remains constant
d) in the seas & oceans of the world remains constant
- Q.32** Wastewater released by houses is called [1]
a) sewage b) sludge c) sewers d) none of the above
- Q.33** Microorganisms act upon the dead plants to produce [1]
a) wood b) sand c) humus d) mushroom

