

# AOS

## ASIAN OLYMPIAD SOCIETY

# ASO

## ASIAN SCIENCE OLYMPIAD 2020-2021

CLASS

8

### INSTRUCTIONS AND INFORMATION FOR THE CANDIDATE

#### GENERAL

1. Do not open the booklet until told to do so by your teacher.
2. No calculators maths stencils, mobile phones or other calculating devices are permitted. Scribbling paper, graph paper, ruler and compasses are permitted, but are not essential.
3. Read the instructions on the answer sheet carefully. Ensure your name, school name and class are entered. It is your responsibility to correctly code your answer sheet.

#### THE ANSWER SHEET

1. Use an HB pencil or a Blue/Black ball point pen only to record your choice of answer in the Answer sheet.
2. Your answer sheet will be scanned. The optical scanner will attempt to read all markings even if they are in the wrong places, so please be careful not to write anything extra on the answer sheet.
3. If you want to change an answer or remove any marks, use a plastic eraser and be sure to remove all marks and smudges.
4. Fill your enrollment number clearly, improper enrollment number may lead to unavailability of result.
5. Please fill your Mobile Number clearly on the Answer Sheet, we will share your marks / result and other information related to AOS exams on your mobile number.
6. All questions are compulsory and there is no negative marking.
7. Return the ANSWER SHEET to the invigilator at the end of the exam.

#### INTEGRITY OF THE COMPETITION

The AOS reserves the right to re-examine students before deciding whether to grant official status to their score.

ENROLLMENT NUMBER : \_\_\_\_\_ CLASS : \_\_\_\_\_

STUDENT NAME : \_\_\_\_\_ Contact No : \_\_\_\_\_

- Which of these changes is most likely to happen after a volcanic eruption?
  - The amount of oxygen in the air increases.
  - The amount of nitrogen in the air decreases.
  - The amount of water vapour in the air decreases.
  - The amount of carbon dioxide in the air increases.
- Name two metals which occur in nature in free state as well as in combined state.
  - Magnesium and Gold
  - copper and Silver
  - Silver and Aluminium
  - Iron and Nickel
- Sex in humans is determined by the X and Y chromosomes inherited from parents. Which of the following shows the chromosomes inherited by the male child from the father and the mother?

	Sex of child	Chromosome from father	Chromosome from mother
a)	Female	X	Y
b)	Male	X	Y
c)	Female	Y	X
d)	Male	Y	X

- In which of the following plants, there will be no transpiration ?
  - Acquatic, submerged plants
  - Plants living in deserts
  - Acquatic plants with floating leaves
  - Plants growing in hilly regions
- Which of these would have the least electrical resistance provide each material has the same length and are at the same temperature?
  - Copper wire
  - Plastic fibre
  - Iron wire
  - Copper rod
- Which of the following animal phyla does not possess a coelom?
  - platyhelminthes
  - Annelida
  - Mollusca
  - Echinodermata
- This is a narrow muscular tube lined by stratified squamous epithelium containing mucus glands. In humans, it is about 25 cm long and quickly conveys food and fluids by peristalsis from pharynx to the stomach. Identify it.
  - Alimentary canal
  - Ileum
  - Duodenum
  - Oesophagus
- Where are hormones destroyed in the human body?
  - Liver
  - Kidney
  - Stomach
  - Small intestine
- The gap between two neurons is called :
  - Axon
  - synapse
  - synthesize
  - Dendron
- The study of tissues is called
  - Cytology
  - histology
  - embryology
  - pathology

11. Which non metal has a metallic luster?  
a) Silicon                      b) Sulphur                      c) Iodine                      d) Phosphorus
12. Why is blood pressure in human beings measured at the position of upper arm?  
a) Because more blood vessels are present at there.  
b) It is at the same level as the heart.  
c) As it is more muscular.  
d) The pressure of blood exerted on the arm is more.
13. Which appliance uses the most electricity?  
a) 60 W light bulb used for 1 hour.  
b) 1 kW hair-dryer used for 5 minutes.  
c) 40 W tablet computer used for 2 hours.  
d) 600 W microwave used for 10 minutes.
14. Which of the following parts of brain is known as centre of smell?  
a) Cerebral cortex      b) Optic lobes                      c) Olfactory lobes                      d) Pons
15. When Avesh's cerebellum is injured in an accident, Avesh is unable to do which of the following actions?  
a) Hand movements  
b) Balancing of body  
c) Coordinate his body movements  
d) All of these.

## Answer key

1 - d	2 - b	3 - d	4 - a	5 - a	6 - a	7 - d	8 - a	9 - b	10 - b	11 - c	12 - b	13 - b	14 - c	15 - d
-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------