

AOS

ASIAN OLYMPIAD SOCIETY

ASO

ASIAN SCIENCE OLYMPIAD 2020-2021

CLASS

10

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 : _____

1. The distance travelled by a particle is proportional to the square of time, then the particle travels with
 - a) Uniform acceleration
 - b) Uniform velocity
 - c) Increasing acceleration
 - d) Decreasing velocity

2. During flow of charge in superconductors, no heat loss occurs. The reason being :
 - a) Charge speed is slow in it
 - b) it is an insulator.
 - c) It pertains zero resistance
 - d) It generates negligible voltage

3. Which salt of sodium in a detergent has cleansing properties on clothes in water?
 - a) Benzene sulphonic acid
 - b) Benzene sulphonate
 - c) Benzene sulphide
 - d) Benzene sulphate

4. Which pair of metals are extracted just by heating with their sulphide ores in air?
 - a) Mercury and copper
 - b) Mercury and magnesium
 - c) Silver and mercury
 - d) Iron and mercury

5. The power of accommodation for the normal eye is :
 - a) 4 D
 - b) 40 D
 - c) 44 D
 - d) 400 D

6. The energy-rich compound during respiration is :
 - a) ATP
 - b) ADP
 - c) Pyruvate
 - d) AMP

7. "Law of octaves" is written by
 - a) Mendeleev
 - b) Newland
 - c) Moseley
 - d) Dobereiner

8. Which of the following traits cannot be passed on to the progeny?
 - a) The experience of a person during his lifetime
 - b) The cut tail of a mouse
 - c) The long legs of an animals
 - d) All of these

9. Name the acid-base indicator extracted from lichen.
a) Methyl orange b) Phenolphthalein c) Litmus d) All of these
10. Which of the following is the technique of artificial vegetative propagation?
a) Cutting b) Grafting c) Layering d) All of these
11. What is the product formed at the anode in the electrolytic reduction of aluminium?
a) Oxygen b) Sodium c) Hydrogen d) Aluminium
12. Where does the exchange of materials between the mother and the foetus take place?
a) Amnion b) Placenta c) Umbilical cord d) Uterus
13. Giardiasis is a disease caused by a parasite named Giardia lamblia found in human faeces. This parasites also thrives in contaminated food, water, soil and can survive outside a host for long periods of time. Which part of the body is affected by it?
a) Stomach b) Kidney c) Small intestine d) Large intestine
14. Solar energy is the universal source of energy. It is converted into chemical energy by
a) Solar cooker b) Green plants c) Photovoltaic cells d) Solar concentrators
15. Which type of ores are subjected to roasting?
a) Oxide ores b) Silicate ores c) Sulphide ores d) Carbonate ores

Answer key

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