

AOS

ASIAN OLYMPIAD SOCIETY

ASO

ASIAN SCIENCE OLYMPIAD 2020-2021

CLASS

9

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. A man with myopic eyes cannot see objects at a distance of more than 60 cm from his eyes. Find the power of the lens to be used.
- a) -1.66 D b) + 60 D c) - 60 D d) $\frac{1}{1.66}$ D
2. Which of the following is not an annelid?
- a) Nereis b) Earthworm c) Leech d) Holothuria
3. How many non-identical chromosome pairs are in a human cell?
- a) 1 b) 11 c) 22 d) 23
4. Dalton's atomic theory successfully explained
- i) Law of conservation of mass
ii) Law of constant composition
iii) Law of radioactivity
iv) Law of multiple proportion
- a) i), ii) and iii) b) i), iii) and iv) c) ii), iii) and iv) d) i) and ii)
5. Even in absolutely clear water, a diver cannot see very clearly because
- a) Rays of light get diffused.
b) Velocity of light is reduced in water.
c) A ray of light passing through the water makes it turbid.
d) The focal length of the eye lens in water gets changed and the image is no longer focused sharply on the retina.
6. Who divided the kingdom Monera into Archaea and Eubacteria?
- a) Haeckel b) Copeland c) Whittaker d) Woese
7. The form of sugar transported through phloem is
- a) Glucose b) Fructose c) Sucrose d) Ribose
8. What is original source of the energy which flows through the food chain?
- a) Carbon dioxide b) Chlorophyll c) Glucose d) Sunlight
9. The bending of light during refraction is due to change in
- a) Speed b) density c) colour d) energy

10. How can people learn about plants and animals that lived a long ago?
- By studying the wind.
 - By studying the stars.
 - By talking to people who lived long ago.
 - By studying fossils.
11. The walls of xylem vessels are made of :
- Cellulose and lignin
 - lignin and chitin
 - chitin and nicotine
 - all of these
12. Identify a mirror which neither converges or diverges a parallel beam of light rays falling on it.
- Plane mirror
 - Convex mirror
 - Concave mirror
 - Convexo-Concave mirror
13. Which is used artificially to remove nitrogen waste products from the blood?
- Ventilator
 - Transfusion
 - Hemodialysis
 - Angiogram
14. Which is not deflected by magnetic field
- Proton
 - Neutron
 - Electron
 - none of these
15. The gas used in welding and cutting metals is :
- Ethyne
 - ethane
 - ethane
 - propane

Answer key

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