

AOS

ASIAN OLYMPIAD SOCIETY

ASO

ASIAN SCIENCE OLYMPIAD 2020-2021

CLASS

7

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. Which of the following statements is correct about liquids in terms of the particulate model of matter?
 - a) The particles vibrate in their fixed positions.
 - b) The particles have extremely strong attractive forces between them.
 - c) The particles increase in their size when heat is applied.
 - d) The particles arrange in an irregular manner.
2. Which of the following examples cannot be explained by the particulate model of matter?
 - a) Water vapour
 - b) vacuum
 - c) Muddy soil
 - d) cloud
3. Which of the following green houses gases is most abundant in the atmosphere?
 - a) Carbon dioxide
 - b) Methane
 - c) Nitrogen oxide
 - d) water vapour
4. Which of the following best describes why oxygen molecules do not have fixed shape and volume?
 - a) The molecules of oxygen are widely spaced between one another.
 - b) The molecules of oxygen have weak attractive force between one another.
 - c) The molecules of oxygen move about freely and randomly in all direction.
 - d) The molecules of oxygen have very low density.
5. Which one shows the three mediums arranged in order of increasing speed through which light passes?
 - a) Air, water, glass
 - b) Air, Glass, water
 - c) Water, air, glass
 - d) Glass, water, air
6. Which of the following has the greatest rate of diffusion?
 - a) Concentrated juice syrup
 - b) Cotton wool
 - c) Carbon monoxide
 - d) Liquid nitrogen
7. Which example gives the best evidence that a matter contains particles which are in constant motion?
 - a) A metal spoon becomes hot immediately when it is placed in a cup of hot tea.
 - b) The fragrance of a perfume can be detected all over the room when the cap of the perfume bottle is removed.
 - c) A marble ball sinks to the bottom of measuring cylinder which contains pure water.
 - d) Water has a lower melting point than table salt.
8. Pure gold is soft. Which metal is added to 22 carat gold to make ornaments?
 - a) Platinum
 - b) Aluminium
 - c) Copper
 - d) Iron
9. What is the first enzyme to mix with food in the digestive track?
 - a) Pepsin
 - b) Cellulose
 - c) Amylase
 - d) Trypsin
10. Which of the given substances is used in the following applications?

<ol style="list-style-type: none">1. It is used as a fire proofing material.2. For sealing gaps in laboratory apparatus.3. It is used in making toys.

 - a) Bleaching powder
 - b) Plaster of Paris
 - c) Baking Soda
 - d) Washing soda

11. What cannot be added in a composting pit to prepare compost?
a) Sunflower plants b) Fruit and vegetable peels c) Plastic flower d) Red worms
12. Which of the following best explains an electric current ?
a) An electric current is the flow of positive charges in a circuit.
b) An electric current is the flow of atoms in a circuit.
c) An electric current is the flow of electrons in a circuit.
d) An electric current is the flow of neutrons in a circuit
13. Which of the following is a non-flowering and seedless plant that grows on land?
a) Fern b) Pine tree c) Hydrilla d) Lily plant
14. In which of the following regions of human alimentary canal does absorption take place?
I . Oesophagus II . Stomach III . Small intestine IV. Large intestine
a) Both II and III b) Both III and IV c) II, III and IV d) All
15. Which of the following represents similarities between the transport system of plants and animals?
a) In both, water is the medium of transport.
b) Both contains vessels for the systematic distribution of nutrients.
c) Both involves one way flow of liquid in the vessels.
d) All of the above

Answer key

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