

# AOS

## ASIAN OLYMPIAD SOCIETY

# ASSO

## ASIAN SPACE SCIENCE OLYMPIAD 2020-2021

CLASS

5

### 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. What gases form Earth's atmosphere?  
a) Nitrogen                      b) Carbon monoxide                      c) Methane                      d) Oxygen
2. Vast collection of stars, gas, dust and dark matter that form a formidable gravitational unit in the universe called?  
a) Galaxy                      b) Constellation                      c) Asterism                      d)Supernova
3. Name the spacecraft that carried first three men crew in space without spacesuits.  
a) Vostok 1                      b) Vostok 2                      c) Voskhod 1                      d) Voskhod 2
4. Compared to other stars in the galaxy, the Sun is a \_\_\_\_\_ star.  
a) Medium                      b) Giant                      c) Dwarf                      d) Supergiant
5. The Milk Way has about how many stars?  
a) 10 million                      b) 200 million                      c) 10 billion                      d) 200 billion
6. Is Big Bang a theory or fact?  
a) A fact                      b) A theory                      c) both                      d) neither nor
7. An imaginary line that runs around the middle of the Earth dividing it into northern and southern hemisphere is called \_\_\_\_\_.  
a) Equator                      b) Tropic of Cancer                      c) Tropic of Capricorn                      d) None of these
8. Which spacecraft sent back the first evidence of water on Moon?  
a) Chandrayaan                      b) Sojourner                      c) Clementine                      d) Luna 9
9. Which of the following planets are not visible from Earth with the naked eye?  
a) Saturn                      b) Mercury                      c) venus                      d) Neptune
10. The moon is slowly moving away from the Earth, but by how much distance each year?  
a) 4 cm                      b) 4 inches                      c) 12 inches                      d) 7 cm

11. Suppose that a man can lift 58 kg on the Earth. How much could he lift on the Moon?  
a) 290 kg                      b) 174 kg                      c) 9.67 kg                      d) 348 kg
12. According to Kepler's law, the planets in our solar system move in orbits around the Sun.  
a) Parabolic                      b) Elliptical                      c) Hyperbolic                      d) Square
13. Which element is associated with Saturn?  
a) Iron                      b) Copper                      c) Sulphur                      d) Lead
14. Which of them are constellations, not asterisms?  
a) Big Dipper                      b) Southern cross                      c) Summer Triangle                      d) Ursa Minor
15. Which is mostly the solid part of Earth that lies between the crust and the core?  
a) Lithosphere                      b) Asthenosphere                      c) Mantle                      d) Magnetosphere

## Answer key

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