

AOS

ASIAN OLYMPIAD SOCIETY

ASSO

ASIAN SPACE 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. Tycho Brahe's biggest contribution to astronomy was-
 - a) His telescopic observations
 - b) Accurate observations of stars and planets
 - c) Heliocentric universe
 - d) He proved that Earth rotates on its axis.

2. Our Sun is just one of many millions of stars in a group of stars called a –
 - a) Universe
 - b) Black hole
 - c) Galaxy
 - d) Solar system

3. ISRO has sent its space exploration probes to which planets / moons till now?
 - a) Jupiter
 - b) Venus
 - c) Mars
 - d) none of these

4. On which of the following planets the Sun rise in the West?
 - a) Saturn
 - b) Jupiter
 - c) Mercury
 - d) Venus

5. Who wrote the book "On the Revolutions of the Heavenly Spheres"?
 - a) Kepler
 - b) Euclid
 - c) Copernicus
 - d) Newton

6. When a star like the Sun runs out of fuel, it may then :
 - a) Contract to become a white dwarf
 - b) Contract to become a black hole
 - c) Expand to become a white dwarf
 - d) Expand to become a red giant

7. Who was the first black American astronaut in space?
 - a) Guion Bluford
 - b) Yuri Gagarin
 - c) Alan Shepard
 - d) Vladmir Remek

8. A planet is said to be at aphelion when it is –
 - a) Closest to the Sun
 - b) Farthest from the Sun
 - c) At its highest point above the ecliptic
 - d) At its lowest point below the ecliptic

9. Triton, Neptune's moon, has an ocean made of a liquid. What is the liquid?
 - a) Nitrogen
 - b) Hydrogen
 - c) Argon
 - d) Water

10. Which space programs study Sun?
a) SOHO b) ISS c) Mir d) None of these
11. What part of a comet points most directly away from the Sun?
a) The nucleus b) The Coma c) The plasma tail d) The dust tail
12. Why do we see lunar eclipses much more often than solar eclipses?
a) Lunar eclipses occur more often than solar eclipses .
b) Lunar eclipses last longer than solar eclipses.
c) The lunar eclipse is visible to much more of the Earth than a solar eclipse.
d) The Moon is closer to the earth than the Sun.
13. Laika, the first living creature to orbit the Earth was what type of animal?
a) Dog b) Monkey c) Cat d) Mouse
14. Which planet in the solar system has a day which lasts longer than its year?
a) Venus b) Mars c) Mercury d) Both a) and b)
15. Hubble space Telescope observes which wavelength of light?
a) Microwave b) X-ray c) Ultraviolet d) none of these

Answer key

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