

AOS

ASIAN OLYMPIAD SOCIETY

ASSO

ASIAN SPACE SCIENCE OLYMPIAD 2020-2021

CLASS

4

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. Where is the centre of Universe?
a) The Big Bang b) The Milky Way c) Black hole d) There is no centre
2. Which asteroid appears brightest from the Earth?
a) Ceres b) Gaspra c) Nysa d) Vesta
3. Who claimed that the Earth was a sphere rotating on its axis?
a) Eratosthenes b) Ptolemy c) Aristarchus d) Pythagoras
4. Which of the following telescope was used by Galileo for his astronomical studies?
a) A radio telescope b) A reflecting telescope c) A refracting telescope d) A microscope
5. Which astronomer discovered that Mars orb it's the Sun in an elliptical orbit?
a) Kepler b) Ptolemy c) Copernicus d) Aristotle
6. A dwarf planet _____ .
a) Is in orbit around the Sun.
b) Has sufficient mass for its self gravity.
c) Has not cleared the neighborhood around its orbit
d) All of these.
7. Which planet shows the greatest difference between day and night temperatures?
a) Mars b) Venus c) Earth d) Mercury
8. Pistol star is an example of _____.
a) Oldest star b) Coolest star c) Most luminous star d) Fastest moving star
9. How many constellations are officially recognized?
a) 88 b) 90 c) 23 d) 56
10. Which celestial body produces most of the visible light in the universe?
a) Planets b) Stars c) Moon d) Meteors

11. Which of the following lists is in the order from largest to smallest?
- a) Universe, Milky Way, Solar System
 - b) Universe, Solar System, Milky Way
 - c) Milky Way, Solar System, Universe
 - d) Milky Way, Universe, Solar System
12. What is a huge group of stars and dust held together by gravity called?
- a) Pulsar
 - b) Nebula
 - c) Galaxy
 - d) Cluster
13. Which celestial object always seems to stay fixed in the sky?
- a) The Sun
 - b) Polaris
 - c) The Moon
 - d) Geostationary
14. The diameter of Earth is approximately the same as the diameter of _____.
- a) Mercury
 - b) Venus
 - c) Mars
 - d) Ganymede
15. Venus rotates in about _____ Earth days on its axis to make one rotation.
- a) 27
 - b) 12
 - c) 372
 - d) 243

Answer key

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