

# AOS

## ASIAN OLYMPIAD SOCIETY

# ASSO

## ASIAN SPACE SCIENCE OLYMPIAD 2020-2021

CLASS

6

### 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 space craft were sent to Venus?  
a) Vega 1                      b) Pioneer 10                      c) Gallieo                      d) none of these
2. NASA's tracking and data relay satellites communicate with spacecraft orbiting close to the \_\_\_\_\_.  
a) Moon                      b) Earth                      c) Mars                      d) Venus
3. Stars are formed in huge clouds of dust and gas called as \_\_\_\_\_.  
a) Globular clusters    b) Interstellar medium    c) Nebulae                      d) Galaxies
4. Who postulated that the Earth was the centre of the universe?  
a) Copernicus                      b) Aristotle                      c) Galileo                      d) Newton
5. Who has been called the 'Father of Big Bang'?  
a) Georges-Henri Lemaitre    b) Alexander Friedmann                      c) Willem de Sitter                      d) George Gamow
6. The youngest, hottest stars are usually blue or white and the oldest, coolest ones are \_\_\_\_\_.  
a) White                      b) Orange                      c) Red                      d) Yellow
7. Which country's mission has successfully returned to the Earth with the samples of an asteroid?  
a) USA                      b) France                      c) Russia                      d) Japan
8. Near Earth Asteroid Rendezvous was created to study the asteroid \_\_\_\_\_.  
a) Eros                      b) Ceres                      c) Gaspra                      d) Vesta
9. Which dwarf planet has been visited by a spacecraft?  
a) Ceres                      b) Plutp                      c) Makemake                      d) Eris
10. Which galaxy is also known as M31 or Messier 31?  
a) Andromeda                      b) Milky Way                      c) Sagittarius                      d) Draco
11. A galaxy with no definite shape is called a/an \_\_\_\_\_.  
a) Spiral galaxy                      b) Elliptical galaxy                      c) Irregular galaxy                      d) Barred spiral galaxy

12. Galaxies are generally grouped by their appearance into how many types?  
a) Four                      b) Three                      c) Five                      d) two
13. Pulsating, eclipsing and cataclysmic are types of \_\_\_\_\_.  
a) Black holes              b) Quasars                      c) Variable stars              d) Pulsars
14. Which astronomer accurately measured the distance around the Earth?  
a) Eratosthenes              b) Ptolemy                      c) Aristarchus                      d) Aristotle
15. Which of the following is not associated with Galileo?  
a) First to develop the star catalogue.  
b) Discovery of phases of Venus.  
c) First use of the telescope to see heavenly bodies.  
d) None of these

## Answer key

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