AOS

ASIAN OLYMPIAD SOCIETY

ARAO

ASIAN REASONING & APTITUDE OLYMPIAD
2020-2021

CLASS
9

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 options will continue the given number series?
        0.5, 2, 4.5, 8, 12.5, ?

        a) 15   b) 17   c) 16.5   d) 18

2.   What comes next in the series.

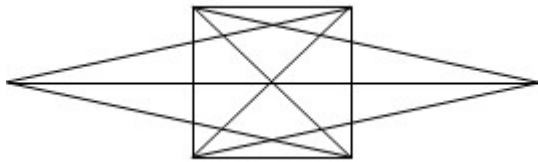   Swimming, wimminga, immingb, _____

        a)   Immingc   b) mmingc   c) mingd   d) mmngc

3.   A woman introduces a man as the son of the brother of her mother. How is the man related to the woman?
        a)   Nephew   b) Son   c) Cousin   d) Uncle

4.   How many triangles are there in the given figure ?

        a)   42   b) 40   c) 48   d) None of these

5.   What number should replace the question mark?

        | 72 | (68) | 41 |
        | 28 | (98) | 16 |
        | 34 | (?) | 56 |

        a)   108   b) 99   c) 78   d) 89

6.   In how many ways can four children be made to stand in a line such that two of them, A and B are always
        together?
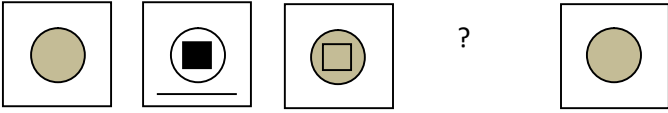   a)   6   b) 12   c) 18   d) 24

7.   Find the next term in the series.

        BMO, EOQ, HQS, ?
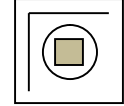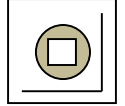
        a)   KSU   b) LMN   c) SOV   d) SOW

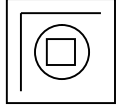8.   (SHOUT, SHOT) (SOLDER, SOLE) (FLUTED, ?)
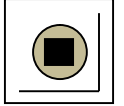   a)   FLUE   b) LUDE   c) LUTE   d) TELD

9. From the word 'LAPAROSCOPY' how many independent meaningful words can be made without changing the order of the letters and using each letter only once ?
    a) 3   b) 4   c) 1   d) 2

10. One afternoon, Vandana and Swati were talking to each-other face to face near to career power, Delhi. If Vandana's shadow was exactly to the left of Swati, which direction was Vandana facing?
    a) North   b) South   c) East   d) Data inadequate

11. Arrange in a meaningful sequence.

    1.Sowing   2. Ploughing   3. Grain   4. Irrigation   5. Harvesting

    a) 5, 1, 2, 3, 4   b) 4, 2, 3, 1, 5   c) 4, 3, 2, 5, 1   d) 2, 1, 4, 5, 3

12. Choose the figure that will best complete the sequence.

    a)   b)   c)   d)

13. Find the missing character from among the given alternatives.

A2	C4	E6
G3	I5	?
M5	O9	Q14

    a) J15   b) K8   c) K15   d) L10

14. There is a relation among each number in the sequence given below. What will be the value for question mark (?), if we continue the sequence?

    4 : 2 : 8 : 16 : 128 : ?

    a) 562   b) 1018   c) 2024   d) 2048

15. All faces of a cube are painted with green colour. The cube is cut into 125 equal small cubes. How many small cubes are there whose three faces are green in colour?
    a) 9   b) 27   c) 8   d) 5

Answer key

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