



Question Paper

# MAINS ALOHA GAT 2016-17

Class: 6th

Total No. of Questions: 14

Max Marks: 200

Time Allowed: 2 hr 40 min

Total Number of Printed Pages: 6

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## SECTION 1-SCIENCE

### LONG ANSWER TYPE

1. Give examples to explain the difference between changes that can or cannot be reversed.

Or

You are sitting in a moving bus and looking out? Are you in a state of motion or rest? Explain. Give an example of a circular motion.

2. Describe a leaf in brief?

Or

What is the purpose of using an electric switch? You have to repair the switch of the bulb of your room. How will you do it? Explain.

[10 x 2 = 20 marks]

3. **SHORT ANSWER TYPE:** (Do any three)

- a. How is shadow formed?
- b. What is the importance of taking a balanced diet?
- c. Define the following terms:
  - i) Oscillatory motion
  - ii) Periodic motion

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- d. What is the function of stem in a plant? Write the names of the parts of a flower?
- e. Formation of snow is a physical change. Explain.

[6 x 3 = 18 marks]

## 4. VERY SHORT ANSWER TYPE

- a. Why does our body need food?
- b. Why should we include vitamins in our diet?
- c. Name two foods each rich in
  - i) Dietary fibre
  - ii) Protein
- d. If a plant has fibrous root, what type of venation do its leaves likely to have?
- e. What is a hermaphrodite flower?
- f. The distance between your home and school is 3250 m. Express this distance into km.
- g. Fill in the blanks:
  - i) Motion of a child on a swing is \_\_\_\_\_
  - ii) \_\_\_\_\_ is the S. I. Unit of length
- h. What do you mean by translucent objects?
- i. What is reflection?
- j. Sweet potato is \_\_\_\_\_ and potato is a \_\_\_\_\_
- k. Deficiency of Vitamin C causes \_\_\_\_\_ and deficiency of \_\_\_\_\_ causes a disease known as Beri-Beri.

[2 x 11 = 22 marks]

## SECTION 2 a - SOCIAL STUDIES

### LONG ANSWER TYPE

5. Name the major domains of earth and discuss one of them.

Or

How can we prevent and control the water pollution? 'Minamata' disease is a neurological syndrome caused by which metal?

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6. Describe the Ashoka's administration. What were duties of the various officers in his reign?

Or

How was the Gupta administration different from that of the Mauryan administration?

[10 x 2 = 20 marks]

7. **SHORT ANSWER TYPE:** (Do any three)

- I. How is modern life different from that of the past?
- II. Why should a citizen pay taxes?
- III. What is 'archaeology'? Name the archaeological sources of history.
- IV. What do you mean by the term 'Autumnal equinox' and 'Vernal equinox'?
- V. Draw a sketchmap of India and indicate ; Thanesar, Kanauj, Kashi, Nalanda and Patliputra.

[6 x 3 = 18 marks]

## SECTION 2 b - CURRENT AFFAIRS

8. Write a short note on the following: (any two)

- a) Shrinking wetlands
- b) Pellet horror
- c) Mass promotions and student career
- d) Use of mobile phones in the school

[5 x 2 = 10 marks]

9. **MCQ/Objective Type Questions:**

- a. He attained the 10th rank in IAS recently. His name is \_\_\_\_\_.
- b. When was Chennani Nashri tunnel inaugurated?
- c. Which Novel of Dr. Nitasha Kaul was shortlisted for the Asia Literary Prize?
- d. Hashim Mansoor a six year old boy who took gold in Asia Karate Championship, belongs to \_\_\_\_\_ district of J&K.
- e. Who is the present Director of school education in Kashmir division?

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- f. Which metallic mineral is only found in J&K state?  
a) Sapphire   b) Magnesite   c) Sulphur   d) Lime stone
- g. The “Geneva of the East” is called the city of Srinagar due to:  
a) Tourism potential   b) Floriculture potential  
c) Horticulture potential   d) Forest resources
- h. NIA stands for:
- i. Who won gold at World Kickboxing Championship in Italy?
- j. “Tunnel of Hope” will reduce the distance between the cities Jammu and Kashmir by how many kilometers?
- k. How many universities are in Jammu and Kashmir?
- l. Education department recently decided to preserve the almost around 150 - year old house of .....under the heritage conservation programme.

[12 x 1 = 12 marks]

### SECTION 3 - MATHEMATICS

10. Ruby bought a watermelon weighting 7 kg 3 g out of this she gave 2 kg 750 g to his brother and 3 kg 300g to her sister. What is the weight of the watermelon left with the Ruby?

OR

Find the product by distributivity method.

- a.  $5437 \times 1001$    b.  $4275 \times 125$    c.  $504 \times 35$    d.  $728 \times 101$

11. Draw a;

- I. Scalene acute angled triangle.
- II. Right angled isosceles triangle.
- III. Scalene right angled triangle.

Or

Saleem bought  $5 \frac{1}{2}$  kg rice and Anwar bought  $4 \frac{1}{2}$  kg rice. Find the total quantity of rice bought by both of them.

[10 x 2 = 20 marks ]

12. Do any three:

I. Add  $2\frac{2}{5} + 3\frac{5}{6}$

II. Write as decimals;

a.  $200 + 60 + 5 + \frac{1}{10} + \frac{2}{100}$                       b.  $3\frac{3}{5}$

III. Solve;

a.  $7p = 210$                                       b.  $\frac{q}{2} = 5$

IV. Add

234, 197 and 103

V. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from;

a. 12 to 9                      b. 1 to 10

[6 x 3 = 18 marks]

## 13. MULTIPLE CHOICE QUESTIONS

A. A reflex angle is,

- a. Greater than  $180^\circ$ , but less than  $360^\circ$                       b.  $>360^\circ$   
c. Greater than  $120^\circ$ , but less than  $180^\circ$                       d.  $>90^\circ$

B. When two negative integers are added we get;

- a. a positive integer  
b. a negative integer  
c. both positive & negative integers  
d. either a positive or a negative integer

C.  $(-4) + \underline{\hspace{2cm}} = -12$

- a. -12                      b. 12                      c. -8                      d. 8

D. The equivalent fraction of  $\frac{14}{63}$  is;

- a.  $\frac{9}{2}$                       b.  $\frac{3}{9}$                       c.  $\frac{2}{9}$                       d.  $\frac{7}{9}$

E. 1.5  1.50

- a.  $>$                       b.  $<$                       c.  $=$                       d.  $\neq$

