Gurukul Kurukshetra

Entrance Exam   Class:IX

Time: 1 Hrs   MM: 60

Sample Paper - 1

General Instruction:

1. The question paper consists of four Sections – A, B, C, D.

2. All questions are compulsory.

3. There is no overall no choice.

4. All sub-questions under the main question carry equal marks.

5. Rough work, if required may be done on the last few pages of this question booklet, provided for the purpose.

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Section – A (Science)

1. Fill in the blanks (5 × 1 = 5)

1. Microorganisms can be seen with the help of a _____.

2. Phosphorus is a very _____ non – metal.

3. When the embryo can be identified with body parts, it is known as _____

4. To draw water from a well we have to _____ at the rope.

5. Many chemical reactions take place in the _____ to keep the cell alive.

2. Answer the following questions: (5 × 1 = 5)

1. What are the major groups of microorganisms?

2. Aluminum foils are used to wrap food items. Give reasons

3. Explain the important of reproduction in organisms.

4. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron?

5. Which part of the cell contains organelles?

Section – B (Mathematics)

1. Multiple choice questions (5 × 1 = 5)

1. A sum of taken for one year at 16% per annum. If the interest is charged after every three months, then the rate will be

(a) 5(1/3) % quarterly (b) 4% quarterly

(c) 8% quarterly (d) 3% quarterly

2. Which of the following is a pair of equivalent rational number?

(a) (14/32) & (21/35) (b) (-15/21) & (20/-28)

(c) (-5/7) & (-20/26) (d) (6/-16) & (-9/-36)

3. The side of a cube, whose surface area is 600 sq.cm is

(a) 12 cm (b) 10 cm

(c) 8 cm (d) 14 cm

4. The sum of two numbers, which are in the ratio 2 : 5, is 21. The numbers are

(a) 8, 13 (b) 7, 14

(c) 6, 15 (d) 12, 9

5. The possible digit at the ones place in the cube root of 9,70,299 is

(a) 3 (b) 7

(c) 9   (d) 6

2. Fill in the blanks   **(5 × 1 = 5)**

1. Compound interest = Amount - _____.

2. For a rational number to be positive, the numerator and denominator should be _____.

3. The edge of a cube is 3 cm, its surface area is _____ cm².

4. A number which when added to three times of itself gives 20 is _____.

5. The cube root of a negative number is _____.

3. Answer the following questions: **(5 × 2 = 10)**

1. Anil deposited Rs.20,000 in a bank. If the rate of interest paid by the bank is 6% per annum compounded half-yearly, what amount will he get after one year?

2. The cost of 3(2/5) m of cloth is Rs.442. Find the cost of cloth per metre.

3. The surface area of a cube is 1350 cm². Find its volume.

4. The sum of two numbers is 43. Their difference is 13. Find the numbers.

5. Define cube number?

<div align="center">Section – C (English)</div>

1. Write the similar in meaning to the following word: **(5 × 1 = 5)**

(a) advice

(b) Miserable

(c) Quote

(d) Harmony

(e) Unlawful

2. Write a paragraph on **"A Visit To A Museum"**.   **(5)**

3. Arrange the words in the correct order to form meaningful sentences.   **(5 × 1 = 5)**

1. Malala was by the threats issued by nature on her as she was not deterred courageous

2. His medication mother advised to take without Rohan fail

3. My brother to play little all day likes long

4. Hari his to the airport week to last receive brother went

5. Holding in her hand she into the a letter ran room

4. Choose the correct sentence form the following :   **(5 × 1 = 5)**

1. Put the following in Indirect Speech:!! Rama said, I am very busy now.

(a) Rama said, I am very busy now.

(b) Rama was very busy on that time

(c) Rama said that he was very busy then.

(d) Rama said that I was very busy then.

2. Put the following in Indirect Speech:!! He said, I am unwell.

(a) He said, I am unwell.

(b) He said that he was unwell.

(c) He said I was unwell

(d) He said I would be unwell.

3. Put the following in Indirect Speech:!! He said, My master is writing letters.

(a) He said, My master is writing letters.

(b) He said his master will be writing letters

(c) He said that his master was writing letters.

(d) He said that my master will write letters.

4. Put the following in Indirect Speech:!! He said, I have passed the examination.

(a) He said, I have passed the examination.

(b) He said that he had passed the examination.

(c) He said I had passed the examination

(d) He said that I will pass the examination.

5. Put the following in Indirect Speech:!! Kiran said to Arjun, Go away.

(a) Kiran said to Arjun, Go away.

(b) Kiran requested Arjun to go away

(c) Arjun was asked to go away by kiran

(d) Kiran ordered Arjun to go away.

Section – D (Social Science)

1. Fill in the blanks: ($5 \times 1 = 5$)

1. In 1850, a new law was passed to make conversion to _____ easier.

2. The brahmo samaj was founded by _____

3. The raw material is put in the blast furnace where it undergoes _____

4. In the world, _____ per cent of persons are engaged in agricultural activity.

5. In the United States of America, most children in government schools have to begin their school day reciting the 'Pledge of _____'.

2. Answer the following: (5 × 1 = 5)

1. Who was the last Peshwa?

2. Which social reformer was popularly called as Periyar?

3. What is the output of iron and steel industry?

4. Which crop is known as golden fibre?

5. What does the term 'secularism' refer to?