Gurukul Kurukshetra

Entrance Exam   Class:IX

Time: 1 Hrs   MM: 60

Sample Paper - 2

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. Blue green algae fix _____ directly from, air to enhance fertility of soil.

2. Metals are good conductors of heat and _____ .

3. The human embryo grows and develops in the _____

4. A charged body _____ an uncharged body towards it.

5. In a plant cell, the cell wall is made up of _____

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

1. Write a short paragraph on the harmful effects of microorganisms.

2. Can you store the lemon pickle in an aluminium utensil? Explain.

3. What is metamorphosis?

4. Define force?

5. What is the function of wall?

Section – B (Mathematics)

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

1. An electric fan was bought at Rs.4200. Its value depreciated at the rate of 8% per annum. Its value after one year will be

(a) Rs.3746   (b) Rs.3800

(c) Rs.3864   (d) Rs.3684

2. Which of the following rational numbers is in the standard form?

(a) 14/27   (b) – (49/91)

(c) –(13/52)   (d) –(27/105)

3. If each edge of a cube is doubled, its surface area will increase.

(a) 2 times   (b) 3times

(c) 4 times   (d) 6 times

4. If 8 is added to 4 times a number, the result is 2 less than 5 times the number. The number is

(a) 15   (b) 10

(c) 16   (d) 20

5. The number of digits in the square root of 390625 is

(a) 3   (b) 4

(c) 5   (d) 6

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

1. _____ is calculated on the amount of the previous year.

2. Between two given numbers, we may not get an _____ but always a _____ numbers.

3. The longest pole that can be put in a room of dimension $10m \times 10\ m \times 5\ m\ is$ _____

4. In a linear equation, the degree of variable is _____

5. A number ending with _____, _____, _____ or 8 is never a perfect square.

3. Answer the following questions: $(5 \times 2 = 10)$

1. The difference between the compound interest and the simple interest on a certain sum for 3 years at 10% per annum is Rs.93. Find the sum.

2. Find the sum of additive inverse and multiplicative inverse of 5.

3. The curved surface area of a right circular cylinder of height 28 cm is 88cm². Find the radius of the base of the cylinder.

4. The present ages of husband and wife are in the ratio 4 : 3. The husband is 10 years older to her.

5. Find the least square number which is exactly divisible by each of the numbers 8, 12, 15 and 20.

Section – C (English)

1. Write the similar in meaning to the following word: $(5 \times 1 = 5)$

(a) advice

(b) Miserable

(c) Quote

(d) Harmony

(e) Unlawful

2. Write a paragraph on **"India: A Land of Festivals"**   (5)

3. Arrange the words in the correct order to form meaningful sentences. $(5 \times 1 = 5)$

1. lend Mahima requested a pen brother to her her

2. the teacher us to assignment complete the go before wants we home

3. you think have made a I mistake that.

4. are the streets our cities noted for of their some of crookedness

5. the farmer has the corn is which ripened cutting.

4. Choose the correct sentence form the following : $(5 \times 1 = 5)$

1. Put the following in Indirect Speech:!! He said to me,What are you doing?

(a) He said to me,What are you doing?

(b) He asked me what I was doing.

(c) He told me what I was doing

(d) He asked me what I had to do.

2. Put the following in Indirect Speech:!! Call the first witness, said the Judge.

(a) Call the first witness, said the Judge.

(b) Judge called the first witness

(c) The judge commanded them to call the first witness.

(d) Judge had order to call the first witness.

3. Put the following in Indirect Speech:!! He shouted , Let me go.

(a) He shouted , Let me go.

(b) He shouted to let him go

(c) He shouted to them to let him go.

(d) He shouted them for let him go.

4. Put the following in Indirect Speech:!! The teacher said, The earth goes round the sun.

(a) The teacher said, The earth goes round the sun.

(b) The teacher said the earth goes round the sun.

(c) The teacher said earth will go round the sun.

(d) Teacher said the earth went round the sun.

5. Put the following in Indirect Speech:!! He said, Be quiet and listen to my words.

(a) He said, Be quiet and listen to my words.

(b) They are asked to be quiet and listen to his words

(c) They were kept quite to listen to his words

(d) He urged them to be quiet and listen to his words.

Section – D (Social Science)

1. Fill in the blanks: (5 × 1 = 5)

1. The revolt of 1857 started from _____.

2. In _____, sati was banned.

3. The river _____ provides sufficient water for the Osaka textile industry.

4. _____ agriculture is prevalent in the thickly populated areas of the monsoon regions of south, southeast and east Asia.

5. The most important aspect of secularism is its separation of _____ from State power.

2. Answer the following: (5 × 1 = 5)

1. Who led the revolt in Kanpur?

2. Who were Shudras?

3. Where is Silicon Valley located?

4. What do you mean by viticulture?

5. What do you mean by 'freedom to interpret'?