The Lawrence School, Lovedale
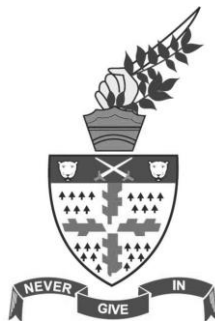
SAMPLE QUESTION PAPER

2026-27

CLASS IX

(STUDENTS SEEKING ADMISSION FOR CLASS IX)

Section A- Reading (10 marks)

Q1. Read the passage:

1. Work is something that we do, all through life. More important than the work we do is our attitude towards it. From the moment we are born till we die, work is being done all the time, whether we like it or not, whether we want it or not. Even sitting idle or lying in bed is an activity, a work. Breathing, digesting, sleeping, waking up, keeping our muscles toned, the slow process of formation of new cells and destruction of old ones---all these activities are work that goes on, with or without our consent. It is only in death that work truly ceases. Many people feel that they would like to retire at the age of sixty and do 'nothing'. But as long as we are alive, it is impossible to do nothing.

2. Having agreed that work is unavoidable, we need to look at how we do the work. Whether it is a child who is playing, a mother who is feeding her child, a house help who is sweeping the floor, or a physician who is saving lives--- what is important in all these activities is our attitude. Are you doing your work with a happy, creative, cheerful outlook, or are you constantly complaining and wishing for 'something' else to do? Because if you are miserable doing the work allotted to you, rest assured that you will remain miserable in whatever work you do.

3. Since work and activity are unavoidable, why not do it with pleasure, with interest, with involvement, with joy? What is in our hands is how to react to the work we do. When you are standing in the queue to pay your child's fees or waiting at the government office to renew your license or passport, you have only two choices: either spend the time relaxing and making friends with others standing in line, or spend the time irritated, angry and frustrated.

4. What is worship? It is offering something to God. Here we are offering our work to God. We normally work for our own benefit, for our own profits. When we are ready to give up this benefit, this profit, and accept anything and everything that comes our way as a blessing from God, then, our work becomes worship.

1.1 On the basis of your reading of the passage, answer the following questions in 2-3 sentences: (6)

i. Why is *attitude* more important than the work we do?

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ii.   When does the work truly cease? Is it possible to do nothing?

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iii.   Why is it advised not to be miserable in doing the allotted work?

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1.2 On the basis of your reading of the passage, complete the sentences with appropriate words and phrases: (2)

i)   What is in our hands is _____

ii)   Since work and activity are unavoidable, _____

1.3 Find words from the passage which means the same as: (2)

i.   Permission (para 1)_____

ii.   Stop (para 1)_____

Section B Writing (20 marks)

Q2. Write a **letter to the editor** of a national daily expressing your concern over the monkey menace in your locality and give suggestions for getting rid of this problem.   (10)

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Q3. Students are becoming 'couch potatoes' due to their excessive TV viewing habits. This has a negative effect not only on their health but also on their overall personality. Write an **article** in about 120 words expressing your views on this issue. (10)

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Section C Grammar (20 marks)

Q4. Read the conversation carefully and complete the blanks given in the passage: **(5)**

Mike: "What are you doing here, Liz? I haven't seen you since June."

Liz: "I've just come back from my holiday in Ireland."

Mike: "Did you enjoy it?"

Liz: "I love Ireland. And the Irish people were so friendly."

Mike: "Did you go to the Wicklow Mountains?"

Liz: "It was my first trip. I can show you some pictures.

Mike asked Liz _____. And he said

_____ since June. Liz explained that

_____ back from her holiday in Ireland. Mike

wondered if _____ enjoyed it. Liz told him that she

loved Ireland and the Irish people had been so friendly. Mike wanted to know if

_____ to the Wicklow Mountains. Liz said that it was her first trip and

that she could show him some pictures.

Q5. Choose the correct answer from the options given: **(5)**

1) As I _____ (walk/was walking) in the streets of Delhi, I

   _____ (met/was meeting) an old friend of mine.

2) I think the waitress _____ (have forgotten/has forgotten) about us.

   We _____ (have been waiting/has been waiting) for twenty

   minutes and nobody has given us the menu yet.

3) The robbers _____ (left/had left) the bank when the policemen finally

   _____. (had arrived/arrived)

4) Suraj _____ (was reading/were reading) when the doorbell

   _____. (rings/rang)

5) I _____ (has been speaking/have been speaking) French

   _____ (for/since) I arrived here in 1990.

Q6. Change the following sentences into the Passive voice: **(5)**

1) Mothers bring up children.

   Children _____.

2) Mr Smith teaches Geography.

   Geography _____.

3) Alexander attacked India.

   India _____.

4) Everybody liked the new teacher.

   The new teacher _____.

5) They were serving the guests.

   The guests_____.

Q7. Each sentence given below contains an error. Find the error and rewrite the sentence correctly: **(5)**

1) Neither Tanvi or Manika can dance well.

   _____

2) The scholar, accompanied by his partner, are attending the literature festival.

   _____

3) These are the children which have won the Young Achievers award.

   _____

4) For a long time, water has been using to produce electricity.

   _____

5) '**Wuthering Heights'** are a wonderful story.
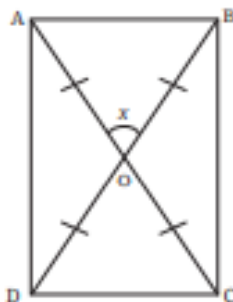
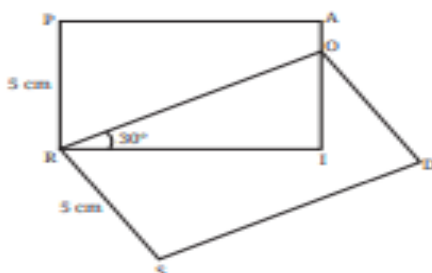   _____

General Instructions:

    i.   Answer all questions.

    ii.   Questions 1 to 10 carry 2 marks each, questions 11 to 20 carry 3 marks each.

PART A (2X10=20)

1. What is the value of $36^2, if\ 35^2 = 1225$.

2. Find the smallest number by which 9408 must be multiplied so that the product is a perfect square?

3. Express 5^6 as the power of a power and find its value.

4. How many times is 4^2 larger than 4^{-2}?

5. Write the given numbers in Roman system.
    a) 302   b) 1252

6. ABCD is a rectangle. Diagonals AC and BD intersect at O.
    $If\ \angle COD = 50°, find\ x\ and\ \angle OAB$

7. If PAIR and RODS are two rectangles. Find $\angle IOD$, name the properties used.

8. Which is the smallest 3 – digit number that leaves a remainder 3 when divided by 5. Show the division.

9. How many multiples of 9 are there between the numbers 4300 and 4400?

10. Expand $\frac{3a}{2}\left(a - b + \frac{1}{5}\right)$

SECTION B (3X10=30)

11. Find the smallest square number that is divisible by 4, 9 and 10.

12. Find the cube-root of 10648.

13. A digital locker has an alphanumeric pass code of length 5. How many such codes are possible? Why?

14. Express 143 in the base 5 system.

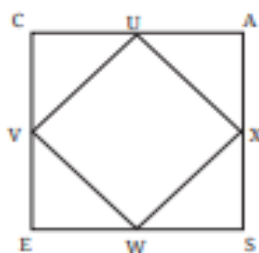| $5^0 = 1$	$5^1 = 5$	$5^2 = 25$	$5^3 = 125$	$5^4 = 625$	$5^5 = 3125$
△	□	⬡	◯	～	↑

15. Using the properties of diagonals, construct a parallelogram whose diagonals are of length 7cm and 5cm and interest at an angle of 140°

16. CASE is a square. The points U, V, W and X are the midpoints of the sides of the square.

   a) what type of quadrilateral is UVWX?
   b) If CA=8cm, find the length of UV?

17. The sum of four consecutive numbers is 34. Find the numbers.

18. The digital root of an 8 – digit number is 5. What will be the digital root of 10 more than that number?

19. Expand $(3j + 2k)^2$ using distributive property.

20. Compute 397 x 403 using identity. Write the identity used.

PHYSICS
SECTION: A (6 × 1 = 6)

1. The unit of force in SI system is _____.

2. The change in direction of light when it passes from one medium to another is called _____.

3. A device that works on the heating effect of electric current is _____.

4. Which of the following is a contact force?

   a. Friction
   b. Magnetic force
   c. Electrostatic force
   d. Gravitational force

5. The image formed by a plane mirror is always:

   a. Real, inverted, same size
   b. Virtual, erect, laterally inverted
   c. Real, diminished, inverted
   d. Virtual, magnified, erect

6. Which of the following appliances does not work on the magnetic effect of current?

   a. Electric bell

   b. Fan

   c. Electromagnet

   d. Electric heater

SECTION: B (3 × 2 = 6)
1. Why does a moving object stop after some time even if no force is applied? Explain.

2. Define reflection of light and state the two laws of reflection.

3. What is the heating effect of electric current? Explain with examples.

SECTION: C (1 × 5 = 5)
1. (a) What is the industrial use of an electromagnet?
   (b) Distinguish between concave and convex mirrors based on the images they form.
   (c) What liquids can be used in a voltaic battery?

CHEMISTRY
SECTION: A (6 x 1 =6)

1 . Seperation of two miscible liquid is done by _____ process

2 . Interatomic space is maximum in _____ state of matter

3 . A metal usually stored inside kerosene to avoid its reaction with air is _____

4 . Which of the following can be separated by sublimation process

    a. Sand and water

    b. Salt and water

    c. Sand and sulphur

    d. Iodine and iron

5. Two same elements combine chemically to form
    a. Compounds
    b. Mixtures
    c. Elements
    d. Molecules

6. Sand and water is a _____ mixture :
    a. Uniform   b. Heterogeneous   c . Homogeneous   d. None

SECTION: B (3 x 2 = 6)

1. Why are liquids and gases called as "FLUIDS"   - Explain your answer

_____

_____

2. Define mixtures and brief on their classification

_____

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3. Give below are few physical changes that we come across in our surroundings .
  Give the respective terminology . An example is shown below
Eg : Ice turning into water – Melting

a. Water drops on the surface of a cold can of coke
b. Ignition of camphor
c. Boiling water at 100 ^{0}C

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SECTION: C (1 x 5 = 5)
1. Pure substances are classified as elements or compounds. An element is a substance that contains only one type of atom. Also, an element cannot be broken down or transformed into a new substance even by using some physical or chemical methods. A compound is a substance composed of two or more different types of elements, chemically combined in a fixed proportion. The constitutents cannot be separated by simple physical methods. However, these substances can be broken down into separate elements by chemical

methods. On the other hand, mixtures are different from pure substances. They are called impure substances. They have different characteristics than elements and compounds. They are composed of different elements or compounds mixed together or more than one pure substance that combined together in any composition. When, mixture forms, there is only a little or no energy change. Mixtures are further classified into homogeneous and heterogeneous mixture

1. List three elements from your surrounding (2)
2. Is air around you a compound or mixture – Justify your answer (1)
3. Distinguish between homogeneous and heterogeneous mixtures with examples (2)

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Biology
SECTION: A (5 × 1 = 5)

1. Name one edible fungi.

_____

2. Who discovered the smallpox vaccine?

_____

3. Name the green colour pigment present in the chloroplast.

_____

4. What is the causative organism of chickenpox?

_____

5. Define vectors with one suitable example.

_____

SECTION: B (3 × 2 = 6)

6. What are microorganisms? Give any two examples.

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7. Differentiate between unicellular and multicellular organisms. Give one example for each.

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8. Name the longest cell present in the human body. Mention its function.

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SECTION: C (1 × 5 = 5)

9. Write an activity for mounting of a human cheek cell and draw a neat labelled diagram of it.