



THE LAWRENCE SCHOOL, SANAWAR
Sample Paper for Entrance Examination for Class IX
ENGLISH SET 1

Time: 01Hour

Max. Marks: 100

Name(In capital letters).....

Registration Number.....

MARKS OBTAINED

MARKS OBTAINED

Note: The teacher on duty is requested to ensure that the child has written correct and complete registration number

.....
Name of the teacher on duty

.....
Teacher's Signature

Please attempt all the questions.

Q.2: Comprehension passage:

15 marks

Read the following passage carefully and answer the questions that follow:

HOW TENALI RAMA BECAME A JESTER

In a South Indian village called Tenali there lived a clever Brahmin boy. His name was Rama. Once, a wandering sanyasi was impressed with the boy's looks and clever ways. So he taught him a chant and told him, "If you go to the goddess Kali's temple one night and recite these words three million times, she will appear before you with all her thousand faces and give you what you ask for- if you don't, let her scare you."

Rama waited for an auspicious day, went to the Kali temple outside his village and did as he was told. As he finished his three million chants, the goddess did appear before him with her thousand faces and two hands. When the boy looked at her horrific appearance, he wasn't frightened. He fell into a fit of laughter. No one had ever dared to laugh in the presence of this fearsome goddess. Offended, she asked him, "You little scallywag, why are you laughing at me?"

He answered, "O mother, we mortals have enough trouble wiping our noses when we catch a cold, though we have two hands and only one nose. If you, with your thousand faces, should catch a cold, how old you manage with just two hands for all those thousand running noses?"

The goddess was furious. She said, "Because you laughed at me, you'll make a living only by laughter. You'll be a 'vikatakavi', a jester." "Oh, a vi-ka-ta-ka-vi! That's terrific! It's a palindrome. It read vi-ka-ta-ka-vi whether you read it from right to left or from left to right", replied Rama.

The goddess was pleased by Rama's cleverness that saw a joke even in a curse. She at once relented and said, "You'll be a vikatakavi, but you will be jester to a king." And she vanished. Soon after that, Tenali Rama began to make a living as jester to the King of Vijayanagar.

1. Why did the sanyasi teach Tenali the chant?

2. What was Tenali Rama advised to do with the chant?

3 Why did Tenali Rama laugh at the goddess?

4. What was the curse that the goddess gave Tenali Rama?

5. What 'concession' did she make regarding the curse and why?

Q3. Rewrite the following sentences to make their meaning clear.

10 marks

1. study/ is/ chemicals/ chemistry/ the/ of

2. basic/ elements/ hundred/ gold/ there/ are/ such as/ oxygen and.

3. chemicals/ around/ made/ are/ of/ you/ everything

4. combined/ although/ with/ elements/ exist/ on/ own/ usually/ they are// can/ their/
they/ other

5. studying/ chemists/ their/ by/ reactions/ substances/ new/ make

Q4. The following passage has not been edited. There is one error in each line. Underline each error and write your correction in the space provided. 10 marks

A telescope uses lenses two bend _____ to
light rays to firm images of faraway (a) _____
objects. They are bring close and you (b) _____
can sea them as if they were (c) _____
really near you. A telescope cuts distant, (d) _____
that is what it is funny to watch the (e) _____
moon through it. But some objects are too (f) _____
small that you can't sea them clearly (g) _____
from naked eyes. In such a situation (h) _____
a magnifying glass prove a very (i) _____
helpful device. (j) _____

Q6. Change the following into Direct Speech. 10 marks

1. He remarked what a lovely garden it was.

2. She exclaimed bitterly that she had torn her frock.

3. He asked if he should open the window.

4. He said he was coming to see me.

5. He said he had to go at once.

**Q7. In the following sentences, fill in the gaps with one of the following determiners.
10 marks**

MUCH, MANY

1. It seems to me that we've had _____ assignments in English this term
2. How _____ material can we be expected to read in one week?
3. _____ of the books you asked us to read are not in the library.
4. I've called _____ of my colleagues over for dinner.
5. _____ of the anger you experience can be attributed to being overworked.

**Q8. Change the following into Reported Speech using the verb given.
10 marks**

1. Go away! (he told)

2. Pick it up. (he ordered)

3. Eat it all. (tell)

4. Sit down! (we asked)

5. Hold this. (she asked)

Q9. Choose the best word from the options given to complete the following passage.
10 marks

The Rozas (a)_____ (are/is) (b)_____ (an/a) important ritual for Muslims but (c)_____ (their/there) social aspect is equally significant. Fasting for an entire month is a way of discovering what (d)_____ (a/the) poor and hungry go through. Hence the stress on (e)_____ (giving/to give) alms and sharing (f)_____ (ones/one's) food and wealth with them. The (g)_____ (principle/principal) of austerity and sharing that are basic to Islam (h)_____ (came/come) up at a time when Arabia (i)_____ (was/were) full of tribes in a (j)_____ (disparity/disparities) of wealth and privilege.

Q10. Use the correct word in the blank. **10 marks**

1. All the children have gone to the _____. (fair/fare)
2. His _____ was so low that nothing could cheer him up. (moral/morale)
3. Please be _____, the show is about to begin. (quiet/quite)
4. Hurry up the ship is about to _____. (sale/sail)
5. The milk has come from their _____ farm. (diary/dairy)

THE LAWRENCE SCHOOL,SANAWAR

Hindi Syllabus of Class IX for Entrance Examination

S.No.

Sandhi & Vichched (Swar Sandhi)

GenderNumber

Antonyms

Synonyms

One Word Substitution

Meaning of Idioms

Making sentences

Correcting sentences

Essay Writing

Unseen passage

Picture Writing

**THE LAWRENCE SCHOOL,
SANAWAR**

Sample Paper (Entrance Examination for Class IX)

SUBJECT- HINDI

Time: 01 Hour

Max. Marks: 100

निर्देश : इस प्रश्नपत्र में कुल 12 प्रश्न हैं। सभी प्रश्नों के उत्तर देना अनिवार्य है।

Instructions: This question paper has only 12 questions. All questions are compulsory.

- 1- I f/k dhft, % 5
jke \$ vorkj ¾-----] fge \$ vky; ¾ -----] uj \$ bnz ¾ -----
/kel \$ vkRek ¾ -----, सती + ईश = -----A
- 2- I f/k foPNn dhft, % 5
Nk=kokl -----, महेश-----, महाशय -----
i j ki dkj-----] i R; d-----A
- 3- नीचे लिखे शब्दों के लिंग बदलिए : 10
शिष्य-----] no-----] nkl -----, भवदीय-----] ukdj-----
cdjh-----] i kBd-----] i ki h-----] cnj-----] pigk-----
- 4- नीचे लिखे शब्दों के वचन बदलिए : 10
xk; -----] dk&vk-----] frffk-----] L=h-----] yrk-----
#i ; k-----] dfo-----] ekyk-----] i {rd-----] I [kh-----
- 5- नीचे लिखे शब्दों के विलोम शब्द लिखिए : 10

fnu-----] ekf[kd-----] vupdy-----] vkyI h-----आशा-----

, drk-----] vknku-----, आकाश -----] mfpr-----] xehz-----

6- नीचे लिखे शब्दों के दो-दो पर्यायवाची शब्दों को चुनिए [का %

10

आकाश-----] -----A ok; q-----] -----

vkx-----] -----A dey-----] -----A

i or-----] -----A

7- उचित शब्दों को चुनिए [का %

5

vks dh ydMh -----A i hB fn[kkuk -----A

[kkd ea feyuk -----A pi r gkuk -----A

ykgk yuk -----A

8- नीचे लिखे अनेक शब्दों के लिए एक शब्द लिखें :

5

d- tks dHkh u ejs & -----A

[k- जिसका कोई शत्रु न हो & -----A

x- i frfnu gkus okyk & -----A

?k- Nk=ka ds jgus dk LFku & -----A

M- i <us okyk & -----A

9- नीचे लिखे वाक्यों को शुद्ध कीजिए :

5

d- dy nfgkj k fi rkth vk; ka -----A

[k- chrh&ckrk dks Hkyk nuh pkfg, A -----A

x- nre nfgkj h i rd D; ka ugha yk, \-----A

?k- nokr l s L; kgh fxj x; k A -----A

10- किसी एक विषय पर लगभग 100 शब्दों का एक निबंध लिखिए : 15

- 1- ejk fon; ky; 2- cky fnol 3- fdl h ; k=k dk o.kū

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11- निम्नलिखित गद्यांश को पढ़कर उसके नीचे लिखे प्रश्नों के उत्तर दीजिए :

I Ppk fe= , d [ktkने की तरह होता है। यदि हमने अपने जीवन में एक भी
I Ppk fe= i k fy; k rks ekus I c dN i k fy; kA I Ppk fe= [kkst i kuk I jy
dke ugha gA I Ppk fe= ogh gS tks foi fRr ds I e; dke vkrk gA , d k fe=
LokFkhz ugha gkrkA ml s vki dh /ku&l Ei fRr I s dkbZ eksg ugha gkrkA og vi us
fe= dh det ksj h dks fdl h ds I keus mYys[k ugha dj rk] cfYd ml ds xq kka
dk c[kku dj rk gA

1- सच्चे मित्र की क्या विशेषता है \ 2

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THE LAWRENCE SCHOOL SANAWAR

Syllabus for Entrance Examination to Class IX

Food:	Crop production; Microorganism
Materials:	Materials of daily life; Different kinds of materials and their reactions; How things change; How things react with one another
The world of living:	Why conserve; The cell – plant and animal cells; How babies are formed
Moving things, people and ideas:	Idea of force; Friction; Pressure; Sound
How things work:	Electric current and circuits; Conduction of electricity in water; Chemical effects of current; Electroplating
Natural Phenomena:	Rain, thunder and lightning; Light – reflection and refraction; Dispersion; Eye – its structure; Defects in vision and their causes; Night sky; Earthquakes
Natural Resources:	Man’s intervention in phenomena of nature; Pollution of air and water

Sample Paper for Entrance Examination to Class IX

General Science

Time: 01 hours

Max. Marks: 100

General Instructions:

1. All questions are compulsory.

1. Questions are to be answered on the question paper itself (on the space provided against each question).

Q1. Fill in the blanks-

(25 · 1 = 25)

1. After ploughing the soil it is _____ to prevent soil erosion.
2. Haber's process involves combining nitrogen and hydrogen to yield _____.
3. Bacteria are used to make medicines called _____.
4. Viruses can _____ only when inside a host cell.
5. _____ is also called artificial silk.
6. An _____ is a mineral from which a metal can be extracted.
7. In a reactivity series, _____ are arranged in decreasing order of their reactivity.
8. The _____ of gold in jewellery is measured in terms of carat.
9. Metal food containers have a coating of _____.
10. _____ is the residue left behind after destructive distillation of coal.
11. In a soda-acid fire extinguisher, _____ is liberated to extinguish fire.
12. _____ zone is the zone of no combustion in a candle flame.
13. Lignite has about _____ percent of carbon in it.
14. The part of the cell that controls all its activities is called _____.
15. A fuel must be heated to its _____ temperature to catch fire.
16. Organisms with both male and female gametes are called _____.
17. The nucleus and the cytoplasm together make up the _____.
18. Sound is produced when a body _____.
19. Reflection of sound by a hill or a large cliff some distance away is called an _____.
20. A soft board will _____ most of the sound falling on it.
21. During a storm, _____ get charged causing lightning and thunder.
22. We use a _____ to detect and measure charges.
23. The amount of light entering the eye is controlled by the _____.
24. Deficiency of _____ can lead to night-blindness.
25. The study of the universe is known as _____.

Q2. Give one word answers :

(25 · 1 = 25)

1. The process of conversion of proteins into ammonia. _____
2. Harmful substances present in air. _____
3. The galaxy that we live in. _____

4. The bacterium that turns milk into curd. _____
5. The gas that is responsible for global warming. _____
6. Name given to the ratio of speed of light in vacuum to that in a medium. _____
7. The main source of plastic. _____
8. An image type that cannot be obtained on a screen. _____
9. Name the plastic whose sheets are used for packing liquids. _____
10. Combination of metals with other metals or non-metals in their molten state. _____.
11. Bending of light while passing from one medium to another. _____
12. The slow process of conversion of wood into coal. _____
13. Instrument that uses ultrasonic rays to find the depth of sea. _____
14. A force that acts from a distance and affects only certain metals. _____
15. The force that tends to slow down an object moving on a table. _____
16. Which fuel is used in jet aero-planes? _____
17. The process by which new cells are formed. _____
18. The jelly like substance present in cells. _____
19. Species of all plants together. _____
20. Practice of renewing a forest by planting small trees or seedlings. _____.
21. A cell breaking into two more cells after growing to a critical size. _____.
22. Name the cell organelles that help to get energy from food. _____.
23. The largest known single cell. _____
24. What are spherical shaped bacteria called? _____
25. The fusion product of sperm and ovum. _____

Q3. Put Tick () mark on the most appropriate choice in the bracket: (25 · 1 = 25)

1. Which nutrient is compost rich in? (Organic nutrients/nitrogen/phosphorus/potassium)
2. Which of these is not a fungal disease of plants?: (wilt/rust/smud/blight)
3. Which one is neither living nor non-living? (fungi/bacteria/viruses/protozoa)
4. Which of these is made up of a cell without nucleus? (bacteria/viruses/fungi/protozoa)
5. Amoeba is a form of: (bacteria/virus/fungi/protozoa)
6. Dodo is a: (rare species/extinct species/endangered species/vulnerable species)
7. Which of these is a thermosetting plastic? (polystyrene/bakelite/polythene/polyvinyl chloride)
8. Splitting of white light into its constituent colours: (refraction/dispersion/ deviation/displacement)
9. The Pole Star is in the constellation of: (Ursa Major/Ursa Minor/Orion/Scorpius)
10. Which of these is the most reactive metal? (magnesium/platinum/gold/sodium)
11. Which one of the following alloys is light and strong? (brass/stainless steel/duralium/bronze)

12. Which metal cannot displace hydrogen from a dilute acid? (Iron/Zinc/ Silver/Calcium)
13. On destructive distillation, bituminous coal yields: (water gas/coal gas/producer gas/none of these)
14. Which of these is a multi-cellular organism? (Paramecium/Amoeba/Bacteria/Mushroom)
15. Which one is a non-polluting fuel for vehicles? (petrol/diesel/kerosene/CNG)
16. The hottest planet in the solar system is: (Mars/Sun/Mercury/Venus)
17. The large number of rocks between Mars and Jupiter are: (asteroids/comets/meteors/meteorites)
18. In which of these media sound travels fastest? (Air/Water/Steel/Vacuum)
19. The nature of a mirror that always produces small and erect image: (Plane /concave/convex/none)
20. Male reproductive system in humans is: (Sperm/Ovum/Testes/Ovaries)
21. Which one is a hermaphrodite animal? (Elephant/Cow/Dog/Earthworm)
22. In humans, fertilization occurs in: (oviduct/uterus/ovary/vagina)
23. The egg of a hen is: (cell/tissue/organ/organ system)
24. In destructive distillation, coal is heated strongly to: (5000 °C/1000 °C/100 °C/10,000 °C)
25. Which of these is not a cereal?: (maize/gram/wheat/rice)

Q4. State whether the following statements are True [T] or False [F]: **(25 × 1**

= 25)

1. Unwanted plants that grow along with crops are called horticulture. []
2.] []
3. Separation of grains from the chaff with help of wind is called threshing. []
4. Galvanized iron starts rusting if there is a scratch on the zinc layer. []
5. Bacteriophage is a many sided virus that has a tail or stalk. []
6. Unicellular organisms perform all the activities necessary for life in a single cell. []
7. Some bacteria can make their own food. []
8. A virus can reproduce on its own. []
9. Synthetic fibres are man made fibres made from polymers. []
10. In cataract, the lens of the eye becomes opaque. []
11. Stars are made up of rocks. []
12. Metals generally have a low specific gravity. []
13. Metalloids have some properties of metals and some properties of non-metals. []
14. Noble metals are very reactive and do not occur in free state. []
15. The main components of biogas are methane and hydrogen. []
16. Calorific value is the amount of heat liberated when one gram of fuel is burnt. 18. [Electrostatic fo
17. Water gas is a mixture of carbon dioxide and hydrogen. [] 19. The Loudness o
18. Number of oscillations per second is called amplitude. []

20. A thin spherical lens has bigger focal length than a thick spherical lens. []
21. Other than sun, the star nearest to us is Proxima centauri. []
22. Endangered animals no longer exist on earth. []
23. The waves generated by an earthquake are called the seismic waves. []
24. Jupiter is the second largest planet. []
25. Pituitary gland is also known as master gland. []



SYLLABUS FOR MATHEMATICS ENTRANCE TEST

CLASS IX

Number System

(i) Rational Numbers:

Properties of rational numbers. (including identities). Using general form of expression to describe properties Consolidation of operations on rational numbers. Representation of rational numbers on the number line, Between any two rational numbers there lies another rational number (Making children see that if we take two rational numbers then unlike for whole numbers, in this case you can keep finding more and more numbers that lie between them.) Word problem (higher logic, two operations, including ideas like area)

(ii) Powers

Integers as exponents. Laws of exponents with integral powers.

(iii) Squares, Square roots, Cubes, Cube roots.

Square and Square roots, Square roots using factor method and division method for numbers containing (a) no more than total 4 digits and (b) no more than 2 decimal places

Cubes and cubes roots (only factor method for numbers containing at most 3 digits) Estimating square roots and cube roots. Learning the process of moving nearer to the required number.

(iv) Playing with numbers

Writing and understanding a 2 and 3 digit number *in generalized form* ($100a + 10b + c$, where a , b , c can be only digit 0-9) and engaging with various puzzles concerning this. (Like finding the missing numerals represented by alphabets in sums involving any of the four operations.) Children to solve and create problems and puzzles. Number puzzles and games, Deducing the divisibility test rules of 2, 3, 5, 9, 10 for a two or three-digit number expressed in the general form.

Algebra

(i) Algebraic Expressions

Multiplication and division of algebraic exp.(Coefficient should be integers), Some common errors Identities, Factorisation (simple cases only) as examples the following types. Solving linear equations in one variable in contextual problems involving multiplication and division (word problems) (avoid complex coefficient in the equations)

Ratio and Proportion

Slightly advanced problems involving applications on percentages, profit & loss, overhead expenses, Discount, tax. Difference between simple and compound interest (compounded yearly up to 3 years or half-yearly up to 3 steps only), Arriving at the formula for compound interest through patterns and using it for simple problems. Direct variation – Simple and direct word problems Inverse variation – Simple and direct word problems, Time & work problems– Simple and direct word problems

Geometry

(i) Understanding shapes:

Properties of quadrilaterals – Sum of angles of a quadrilateral is equal to 360° (By verification) • Properties of parallelogram (By verification)

Opposite sides of a parallelogram are equal,) Opposite angles of a parallelogram are equal, Diagonals of a parallelogram bisect each other. Diagonals of a rectangle are equal and bisect each other. Diagonals of a rhombus bisect each other at right angles. Diagonals of a square are equal and bisect each other at right angles.

(ii) Representing 3-D in 2-D

Identify and Match pictures with objects [more complicated e.g. nested, joint 2-D and 3-D shapes (not more than 2)].

Drawing 2-D representation of 3-D objects (Continued and extended)

Counting vertices, edges & faces & verifying Euler's relation for 3-D figures with flat faces

(cubes, cuboids, tetrahedrons, prisms and pyramids)

(iii) Construction:

Construction of Quadrilaterals: Given four sides and one diagonal, Three sides and two diagonals

Three sides and two included angles Two adjacent sides and three angles

Mensuration

Area of a trapezium and a polygon. Concept of volume, measurement of volume using a basic unit, volume of a cube, cuboid and cylinder, Volume and capacity (measurement of capacity), Surface area of a cube, cuboid, cylinder.

Data handling

Reading bar-graphs, ungrouped data, arranging it into groups, representation of grouped data through bar-graphs, constructing and interpreting bar-graphs. Simple Pie charts with reasonable data numbers, Consolidating and generalizing the notion of chance in events like tossing coins, dice etc.

Relating it to chance in life events. Visual representation of frequency outcomes of repeated throws of the same kind of coins or dice. Throwing a large number of identical dice/coins together and aggregating the result of the throws to get large number of individual events. Observing the aggregating numbers over a large number of repeated events.

Comparing with the data for a coin. Observing strings of throws, notion of randomness

Introduction to graphs

PRELIMINARIES:

Axes (Same units), Cartesian Plane, Plotting points for different kind of situations (perimeter vs length for squares, area as a function of side of a square, plotting of multiples of different numbers, simple interest vs number of years etc.) Reading off from the graphs Reading of linear graphs Reading of distance vs time graph.

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**THE LAWRENCE SCHOOL
SANAWAR**

**Sample Question Paper for Entrance Examination
Class IX**

MATHEMATICS

Time : 01 Hour

Max. Marks: 100

General Instructions: -

- Answer all the questions on this sheet only.
- No separate sheet will be provided for rough work.

- Write neatly and briefly.
- Question 2 to 9 carries 5 marks each.
- Question 10 to 14 carries 10 marks each.

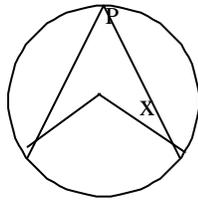
Section A (1 mark each)

1. Solve the following; (with short solutions)

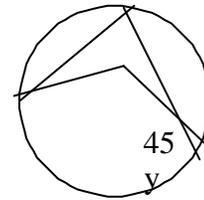
- a) Find $\sqrt{121} = \text{-----}$
- b) A parallelogram in which a pair of adjacent sides are equal is called a -----.
- c) Sum of opposite angles of a cyclic quadrilateral is -----.
- d) Simplify $17^{3/2} \div 17^{1/2} = \text{-----}$
- e) Divide $28x^3 - 21x^2$ by $7x$.-----
- f) In a circle, perpendicular from the centre to a chord ----- the chord.
- g) Factorize: $x^3 + y^3 = \text{-----}$
- h) Complete the Formulae; Amount = -----, C.I = ----- .
- i) Find the smallest number by which 32 should be multiplied to make it a perfect cube.
- j) Find the measure of x and y in each of the following where O is the centre of the circles:

(a)

(b)



Q



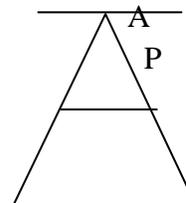
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Section B(5 marks each)

Q. 2. In ΔABC , $PQ \parallel XY \parallel BC$. If $AX = 5\text{cm}$, $XB = 3\text{ cm}$ and $AY = 5.5\text{ cm}$ find YC .

X

Y



Q

B

C

Q. 3. Find the product

(a) $(x + 4)(x - 10)$

(b) Expand using the identity $(x + 2y - 3z)^2$

Q. 4 Divide and check whether $(x - 6)$ is a factor of $x^2 - 12x + 35$

Q. 5. Solve for x : $\frac{9x-7}{3x+5} = \frac{3x-4}{x+6}$

Q. 6. Find the amount of Rs 6000 lent at 5 % per annum for 2 years if the interest is compounded annually.

Q. 7. Find the value of $64x^3 + 27y^3$ if $4x + 3y = 5$ and $xy = 1$

Q. 8. What price should a Sita mark on a sari which costs her Rs 2200 so as to gain 26% after allowing a discount of 12%?

Q. 9. The sum of ages of Gagan and Jessica is 31 years. After 10 years the ratio of their ages will be 8 : 9. Find their present ages.

Section C (10 Marks each)

10. Simplify using identities: $(7x + 2y)^3 - (7x - 2y)^3$.

Q. 11. Factorize the following:

(i) $x^2 - 12x + 35$

(ii) $a^2 + 9b^2 + 4c^2 + 6ab + 12bc + 4ca$

(iii) $125a^3 - b^3$

Q. 12. Draw a line segment of 10 cm in the ratio 3: 2.(without steps of construction)

Q. 13. A man walks around a circular park 5 times daily. If the diameter of the park is 700m, how much distance does the man walk daily?

Q. 14. A cylindrical tin is 30 cm high and has a base radius of 2.8 cm. How much of powder can it hold?