



DELHI PUBLIC SCHOOL VISAKHAPATNAM ASSIGNMENT



June – July 2026

Class: IX

Date of Submission: on or before 7.08.2026

Subject: ENGLISH

Bharat Our Land

— *Subramania Bharati*

The mighty Himavant is ours—

there's no equal anywhere on earth.

The generous Ganga is ours—

which other river can match her grace?

The sacred Upanishads are ours—

what scriptures else to name with them?

This sunny golden land is ours—

she's peerless, let's praise her!

Gallant warriors have lived here,

many a sage has sanctified this land.

The divinest music has been heard here,

and here all auspicious things are found.

Here Brahma-knowledge has taken root,

and the Buddha preached his dhamma here.

Of hoary antiquity is Bharat,

she's peerless, let's praise her!...

1. Complete the summary of the poem given below with a suitable word or phrase in each blank.

The poet expresses immense pride in (a) _____, describing it as a land that has no equal on earth. He glorifies the mighty (b) _____ and the sacred river (c) _____, both of which symbolise the country's natural beauty and greatness. He also praises the ancient (d) _____, which reflect India's rich spiritual heritage.

The poet calls India a (e) _____ land and urges everyone to celebrate its glory. He remembers the brave (f) _____ who defended the nation and the wise (g) _____ who enriched it with their knowledge and values. According to the poet, the land has echoed with the sounds of (h) _____ music and has been blessed with everything that is (i) _____.

The poem further highlights India's spiritual greatness by stating that (j) _____ took root here and that Lord Buddha spread his (k) _____ across the land. In the concluding lines, the poet reminds us that Bharat is a nation of great (l) _____, making it truly unique and worthy of admiration.

2.SAMPLE FOR INFORMAL INVITATION

12, Model Town

Visakhapatnam

July 13, 2026

Dear Amit,

I am delighted to invite you to my sister's 10th birthday party. Join us for an evening of fun, music, and cake!

Date: July 15, 2026

Time: 6:00 PM onwards

Venue: My residence

Do come and make the celebration special!

Yours lovingly,

Rohan

Question - Your family has recently shifted to a new house. Draft an informal invitation inviting your friends and relatives to the housewarming ceremony.

3. SAMPLE FOR NOTICE WRITING:

NATIONAL PUBLIC SCHOOL

NOTICE

August 14 20XX

Science Exhibition

Students of classes VI to X are hereby informed that the Science Club of our school is going to organise a Science Exhibition on 21st August 20XX. The programme will be held from 10 a.m. to 4 p.m. in the school premises. Interested students should submit the theme of their projects before 15th August. The winners will be awarded with a medal and a certificate of merit. For any queries, please contact the undersigned.

Dheeraj Kamal

(Secretary, Science Club)

Question: Your school is organising a "Future Skills Fair" where experts will conduct workshops on Artificial Intelligence, Coding, Robotics, Public Speaking, and Entrepreneurship. As the Secretary of the Career Guidance Cell, draft a notice inviting students of Classes IX–XII to register for the event.

4. GRAMMAR

(i) Fill in the blanks with simple past and past perfect tense form of the verbs given in brackets.

A. When the delegates _____ (arrive) at the conference, the keynote speaker _____ (already begin) the session. B. After the students _____ (learn) how to identify fake news online, they _____ (start) verifying information before sharing it. C. Before Kiran _____ (start) using digital payment platforms, she _____ (ensure) her understanding of online fraud prevention. D. By the time Varun _____ (recognise) the importance of budgeting, he _____ (exhaust) most of his savings. E. When Raghu _____ (log in) to the cybersecurity webinar, the instructor _____ (already discuss) the importance of strong passwords. (ii) Kaveri

ii) Fill in the blanks with the correct form of verbs given in brackets.

Last year, my parents and I A. _____ (take) a financial planning course. When we B. _____ (review) our expenses, we realised we C. _____ (spend) too much on unnecessary purchases. After my parents D. _____ (discuss) ways to save, I E. _____ (open) a savings account. By the time we F. _____ (set) our budget, the course G. _____ (already introduce) investment strategies. We H. _____ (hurry) to take notes, but many participants I. _____ (complete) their financial plans. Despite that, we J. _____ (enjoy) learning how to manage money wisely.

iii) Determiners are words that come before nouns and specify something about their quantity, definiteness, or ownership. Here is a list of the most frequently used determiners — A, an, the (Articles) . This, that, these, those (Demonstratives). My, our, your, his, her, its, their, one's (Possessives) . One, two, three, etc. (Definite numerals). Some, any, no, all, both, much, many, few, less, several, little (Indefinite numerals). Each, every, either, neither (Distributives)

Fill in the banks with suitable determiners.

A. The florist arranged _____ bouquets for _____ clients, that were displayed in _____ elegant floral shop. B. The carpenter crafted _____ unique tables, and _____ became the centrepiece in _____ furniture collection. C. _____ of _____ apprentices in _____ culinary class demonstrated _____ knife skills during the intense cooking session. D. _____ of _____ sculptures were displayed at _____ art exhibition, showcasing _____ diverse artistic skills.

Subject: MATHEMATICS

1. Draw the lines $X'OX$ and YOY' as axes on the same plane of a paper and plot the points given below (i) $H(5,3)$ (iii) $E(-5,-4)$ (ii) $L(-3,2)$ (iv) $P(2,-6)$.

2. (i) Write the mirror image of the point $(2,5)$ along x – axis.

(ii) Write the mirror of the point $(3,6)$ in along y – axis .

(iii) A point (a,b) lies in II quadrant. In which quadrant does (b,a) lie?

3. Without plotting the points on a graph paper indicate the quadrant in which the lie

(i) ordinate = 4, abscissa = -3 (ii) ordinate = -5, abscissa = 4

(iii) ordinate = -1, abscissa = -2 (iv) ordinate = 7, abscissa = -4

4. Write coordinates of point which

(i) which is 3 away from y-axis and 2 units away from x-axis.

(ii) Which is on x-axis and 6 units distance on the negative side.

(iii) which lies on y-axis and 4 units distance from x-axis.

(iv) Coordinates of point of intersection of coordinate axes.

5. The weight of a book is three times the weight of a note book. Express this fact in the form of an equation in two variables.

6. Find the value of k , if $x = 3$, $y = 1$ is a solution of the equation $2x + 5y = k$.

7. Find the four different solutions of $2x + y = 6$.

8. The runs scored by a two batsman in a cricket match is 164. Write a linear equation in two variables x and y . Also write a solution of the equation.

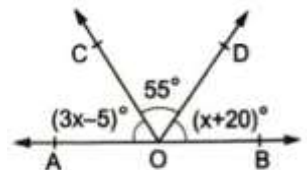
9. The taxi fare in a city is such that Rs.50 is the fixed amount and Rs.16 per km charged. Taking the distance covered as x km and total fare as Rs. y . Write the linear equation in x and y . What is the total fare for 20 km?

10. Sum of two numbers is 20 and one number is 5 more than the other.

Write a linear equation for using x and y .

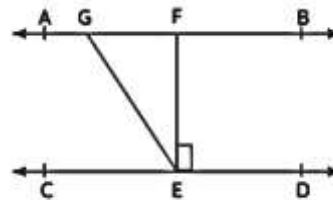
11. In the adjoining figure, AOB is a straight line, Then find value of x .

12. If an angle is one-fifth of its supplementary angle, find the measure of the angle.



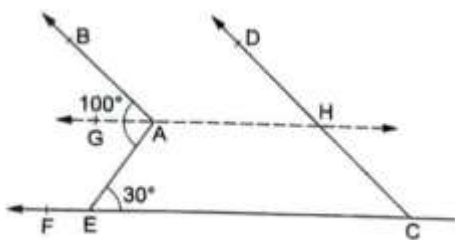
13. In figure, $AB \parallel CD$, $EF \perp CD$ and $\angle AGE = 116^\circ$.

Find $\angle GED$, $\angle GEF$ and $\angle FGE$.



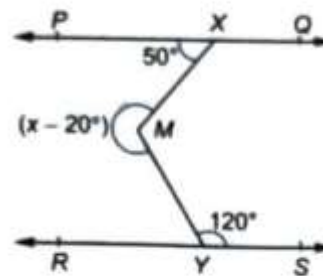
14. In the given figure $AB \parallel CD$,

$\angle BAE = 100^\circ$ and $\angle AEC = 30^\circ$. Find $\angle DCE$.



15. In given figure, if $PQ \parallel RS$ and

$\angle PXM = 50^\circ$ and $\angle MYS = 120^\circ$. Find the value of x .



Subject: PHYSICS

Choose the Correct Answer

1. What is the SI unit of force?

- a) Joule b) Newton c) Watt d) Pascal

2. According to Newton's First Law, a body continues in its state of rest or uniform motion unless acted upon by:

- a) Balanced force b) Friction only c) An unbalanced external force d) Gravity only

3. The product of mass and velocity is called:

- a) Work b) Power c) Momentum d) Energy

Answer the Following Reason and Assertion-Based Questions

- Both A and R are correct, and R is the correct explanation of A.
- Both A and R are correct but, R is not the correct explanation of A.
- A is true, and R is false.
- A is false, and R is true.

4. Assertion (A): The acceleration of an object increases when the applied force increases.

Reason (R): According to Newton's Second Law, acceleration is directly proportional to the net force acting on an object.

5. Assertion (A): Action and reaction forces cancel each other.

Reason (R): Action and reaction forces act on two different bodies.

Numerical Problems

- A force of 30 N acts on a body of mass 6 kg. Calculate its acceleration.
- A body of mass 4 kg is moving with a velocity of 5 m/s. Find its momentum.
- A body has a momentum of 24 kg·m/s and a mass of 6 kg. Calculate its velocity.

Subject: CHEMISTRY

1. Write the chemical formulae of the following compounds.

a. Aluminium sulphate b. Zinc nitrate c. Calcium Carbonate d. Potassium Chloride

2. As per the law of definite proportions, carbon and oxygen combine in the ratio of 3:8. Compute the mass of oxygen gas that would be required to react completely with 15g carbon.

3. Define Polyatomic ions and give an example.

4. Calculate the formula mass unit of the Calcium chloride and Potassium carbonate

5. A medicine tablet contains a fixed amount of different elements. Why must manufacturers ensure that the atoms combine in the correct ratio every time. Explain your answer.

Subject: BIOLOGY

1. Name two cell organelles surrounded by double membrane.

2. Name the functions of: leucoplast, ribosomes, cell wall, mitochondria.

3. How would you explain Endosmosis and Exosmosis

4. Why does a plant cell, when placed in a hypotonic solution not burst?

5. What will happen when red blood cells are placed in hypotonic salt solution ?

6. Give three differences between plant cell and animal cell.

7. Differentiate sclerenchyma and parenchyma tissue. Draw well labelled diagrams.

8. Why are xylem and phloem called complex? How are they different from one another?

Subject: SOCIAL SCIENCE

1. How did the Constituent Assembly work to prepare the Constitution for India?

2. Why is India considered as a Sovereign country?

3. What compromise was made by the Black majority in South Africa?

4. Which event in Russian history is known as Bloody Sunday?

5. What was the basic principle of the Marxist theory?

6. Differentiate between the ideas of the Liberals and Radicals in Europe.

7. What was the global impact of the Russian Revolution?

8. Distinguish between Western Coastal Plains and Eastern Coastal Plains.

9. Write about the three parallel ranges of Himalayas.

10. Describe the significance of physical features of India?

11. What is the role of health in our life?

12. What initiatives have been taken by government of India to develop education?

13. What do you understand from the story of villas?

Subject: हिंदी (द्वितीय भाषा)

I. उचित विराम चिह्न लगाइए।

1. राम ने कहा मैं आज विद्यालय नहीं जाऊँगा
2. वाह कितना सुंदर दृश्य है
3. क्या तुमने अपना गृहकार्य पूरा कर लिया
4. मेरे प्रिय मित्र मोहन आज मेरे घर आना
5. अरे तुम यहाँ कैसे

II. निम्नलिखित वाक्यों में सर्वनाम पहचान कर भेद लिखिए।

1. मैं आज विद्यालय नहीं आऊँगा। _____
2. जो परिश्रम करता है, वही सफल होता है। _____
3. कोई दरवाज़े पर खड़ा है।

III. निर्देशानुसार निम्नलिखित प्रश्नों के उत्तर लिखिए।

- (क) 'दुख का अधिकार' और 'एवरेस्ट: मेरी शिखर यात्रा' दोनों पाठ में क्या समानता है? अपने शब्दों में लिखिए।
- (ख) 'गीत-अगीत' कविता आपको क्या सीख देती है? अपने शब्दों में लिखिए।
- (ग) 'उपसर्ग-प्रत्यय' परिभाषा, भेद, उदाहरण देते हुए विस्तार से समझाइए।
- (घ) स्मृति पाठ का मूल संदेश लिखिए।

Subject: తెలుగు (ద్వితీయ భాష)

1. క్రింది ప్రశ్నలకు జవాబులు రాయండి.

అ. అసమానతలకు తావులేని సమాజం కోసం మనం ఏమి చేయాలో వివరిస్తూ వ్యాసం రాయండి.

ఆ. మీ నాన్న మీద ఉన్న ప్రేమను వ్యక్తం చేస్తూ మీ సొంతమాటల్లో లేఖను రాయండి.

ఇ. నా జీవితకాలం నన్ను, నా మనసుని, నా అస్తిత్వాన్ని వేధించే ప్రశ్న _____ అర్థ సందర్భం రాయండి.

ఈ. ఓ కవీ! వట్టి మ్రోడువు కాకురా!

2. సంధులు: సవర్ణ, గుణ సంధులు గురించి ఉదాహరణలతో రాయండి.

Subject: संस्कृतम् (द्वितीय भाषा)

1. दश सन्धि वाक्यानि लिखत (शुचिपर्यावरणम्, स्वर्णककः, गोदोहनम्, सूक्तिमौक्तिकम्)

2. पञ्च कारक-उपपदविभक्ति वाक्यानि लिखत | (Any 5- together with)

3. पञ्च प्रश्ननिर्माण वाक्यानि लिखत | (गोदोहनम्, सूक्तिमौक्तिकम्)

4. पञ्च धातुरूप वाक्यानि लिखत | (Any 5 - together with)

5. पञ्च भाषिककार्य प्रश्नान् लिखत - (सूक्तिमौक्तिकम्)