



DELHI PUBLIC SCHOOL
SAIL TOWNSHIP, RANCHI
DP HOLIDAY ASSIGNMENT 2021-2022

CLASS- IX

ENGLISH

- Q1. Develop a story from where it has been left unfinished in 100 -150 words :
- Class X Board results were out. The students were very excited. There was a lot of hustle and bustle in the school building, but Raman was sitting alone at his desk. His classmate, Shamita.....
- Q2. Your friend has behaved very selfishly in the canteen today and so you are very upset. Write a diary entry in 100 - 150 words expressing your feeling. You are Amit / Smita.
- Q3. Correct the following Sentences :
- (i) She is often coming to me on Sundays.
 - (ii) She just completed the letter then.
 - (iii) When I met her last year, she was married for three years.
 - (iv) In the morning I found it was raining the whole night.
 - (v) I try to contact you all these days.
- Q4. How did Prasant help the woman and children to get over their grief?
- Q5. Through the poem ' No Men Are Foreign', the poet evokes a sense of universal brotherhood. How?

MATHEMATICS

- 1) If the diagonals of a parallelogram are equal, then show that it is a rectangle.
- 2) Show that the diagonals of a square are equal and bisect each other at right angles.
- 3) Show that if the diagonals of a quadrilateral are equal and bisect each other at right angles, then it is a square.
- 4) ABCD is a parallelogram. AB is produced to E so that BE=AB. Prove that ED bisects BC.
- 5) ABCD is rhombus, EABF is a straight line such that EA=AB=BF. Prove that ED and FC when produced meet at right angles.
- 6) Prove that the diagonals of an isosceles trapezium are equal.
- 7) Find the measure of all the angles of a parallelogram, if one angle is 24° less than twice the smallest angle.
- 8) The diagonals of a rectangle ABCD meet at O. If $\angle BOC = 44^\circ$, find $\angle OAD$.
- 9) Using MPT prove that the mid-point of the hypotenuse of a right angled triangle is the circumcentre of the triangle.
- 10) Verify Mid Point Theorem by "Cut paste activity", in your Mathematics Practical copy.

PHYSICS

1. Derive an expression for kinetic energy of an object. If the velocity of an object be doubled then what will be change in it's kinetic energy?
2. A light and a heavy object have same momentum, find out the ratio of their kinetic energies. Which one has a larger kinetic energy?
3. Show that when a body is dropped from certain heights, then sum of it's kinetic energy and potential energy at any instant during it's fall remains constant.
4. The speed of a vehicle of mass 500 kg increases from 36 km/h to 72 km/h. Calculate the increase in it's kinetic energy.
5. What is power? Define 1 watt of power. A lamp consumes 1000 J of electrical energy in 10 s. What is it's power?

CHEMISTRY

- 1) Explain with examples.
 - a) Atomic number
 - b) Mass Number
 - c) Isotopes
 - d) Isobars
- 2) The atomic number of Al and Cl are 13 and 17 respectively. What will be the number of electrons in Al^{3+} and Cl^{-} ?
- 3) Describes Bohrs model of an atom. Draw a sketch of Bohrs model of an atom with three shells.

BIOLOGY

- Q1. Name the tissue that smoothens bone surfaces at the joints. Describe its structure with the help of a diagram.
- Q2. Explain the structure of different parts of a neuron with the help of a labelled diagram.
- Q3. Why are cardiac muscles so called? Explain their structure with the help of a labelled diagram.
- Q4. Differentiate between striated and unstriated muscle fiber on the basis of their location, number of nuclei and the function they perform in a tabular form.
- Q5. Name the following:
 - a) Tissue that stores fat in our body-
 - b) Tissue present in the brain-
 - c) Tissue that connects muscle to bone in humans-
 - d) Connective tissue with a fluid matrix-
 - e) Tissue that fills the space inside the organs and supports internal organs-

HISTORY

1. Explain the impact of the Great Economic Depression on Germany and how did it affect the life of the people.
2. Explain the racial policy of Hitler or the Nazis and why did he do so?

POLITICAL SCIENCE

1. What is your opinion with respect to reserved constituencies? Explain. What social values are reflected through this?
2. What are the major challenges to free and fair election?

ECONOMICS

1. How does rapid growth of population create unemployment? Give any two points.
2. "Poverty is a curse upon humanity". Explain.

GEOGRAPHY

1. Why houses in Assam are built on stilts?
2. What are the controls affecting the climate of any place? Explain any three points.
3. "India's climate has characteristics of tropical as well as subtropical climate". Explain.
4. Why does seasonal reversal of wind direction take place over the Indian subcontinent?

हिन्दी

1. हामिद को लेखक के किस बात पर आश्चर्य हुआ?
2. 'बुद्धि पर मार' से क्या तात्पर्य है? पठित पाठ 'धर्म की आड़' के आधार पर उत्तर दें।
3. दिए गए शब्दों में उचित स्थान पर अनुस्वार/अनुनासिक का प्रयोग करें-

अहकार

अभिव्यक्तिया

वीरागना

सासारिक

4. दिए गए शब्दों में मूल शब्द, उपसर्ग और प्रत्यय छाँटें-

अभिज्ञानी

असामाजिक

ऐतिहासिक

अपमानित

संस्कृत

1 मित्रं प्रति लिखिते पत्रे मंजूषायां प्रदत्तपदानां सहायतया रिक्तस्थानानि पूरयत
(i).....

प्रिय (ii) -----

(iii) -----

भक्तः पत्रं प्राप्तम् । अहम् अधुना स्वविद्यालयस्य (iv) कर्तुं इच्छामि ।

मम (v) अतीव (vi) -----अस्ति । मम विद्यालये विशालं

(vii) -----समृद्धाः प्रयोगशाला सुन्दरः (viii)च सन्ति ।

प्राचार्यः अतीव कर्मठः) (ix).....च अस्ति । अस्माकं (x).....

मनोयोगेन पाठयन्ति । सर्वे छात्राः अपि योग्याः सन्ति ।

वर्णनं, नमस्ते, क्रीडाक्षेत्रम्, विद्यालयः, शोभनः, पुस्तकालयः, सद्व्यवहारशीलः,
परीक्षाभवनम् वयस्य, अध्यापकाः

2 सन्धिच्छेदं कुरुत

(i) रामः वाटिकाम् + प्रतिगच्छति ।

(ii) तद्गृहात् निरगच्छत् ।

(iii) वृद्धः + अत्र

(iv) तरुणः + नमति ।

3 (i)शोभां पश्य । (शाखा)

(ii) तस्मै नमः (तरु)

(iii) तत्र – पाठयतः । (शिक्षक)

(iv) मा विश्वेसेत् (दुष्ट)

4 (i) शिशुः दुग्धंपा – लृट्लकार

(ii) नायिकाः मंचे – नृत् – लोट्

(iii) युवाम् संस्कृतं – पठ् विधिः

(iv) गुरुः शिष्यं प्रश्नं – प्रच्छ् विधिः

5 संस्कृतभाषायाम् अनुद्यताम

(i) क्या मैं अब श्लोक बोलुँ?

(ii) वे सब स्कूल गय ।

(iii) ईश्वर हमेशा कर्मशीलों के साथ होते हैं ।

(iv) उसके चार भाई थे ।

(v) तुम्हें क्या अच्छा लगता है?

FRENCH

1. Écrivez une lettre à votre ami français pour lui décrire une saison de l'inde.
2. Expiliquez une fêtes français en 10 phrases.
3. Écrivez une message pour invitée votre ami pour anniversaire.
4. Faites 10 phrases avec conditionnel present
5. Faites 10 phrases avec passé composé.

GERMAN

1. Lies die Fragen und Antworten. Was passt zusammen?

I. Auf wen ist Carla sauer?	a. An Carlas Wünsche.
II. Woran denkt Nick nicht?	b. Auf Nick.
III. Worüber regt Carla sich auf?	c. Mit ihrer Freundin Jule.
IV. Mit wem spricht Carla?	d. Über die SMS.

2. Wähle *auf* oder *über* aus.

- I. Lea hat viele schöne Sachen bekommen. Sie freut sich _____ die Geschenke.
- II. Daniel hat nächste Woche Geburtstag. Er freut sich _____ seine Party.
- III. Felix hat sich am Samstag mit Fanny verabredet. Er freut sich _____ das Wochenende.
- IV. Heute scheint die Sonne. Lidia freut sich _____ das schöne Wetter.

3. Du hast in einer Zeitschrift einen Artikel zum Thema „Reisen ohne Geld“ gelesen.

Schreib eine E-mail an deinen Freund / deine Freundin . Schreib deine Persönlich

Meinung zu diesem Thema. Schreib etwas zu allen Punkten.

- Was hast du darüber gelesen? Gib ein Beispiel dafür.
- Wie findest du die Idee. Willst du es mal probieren.
- Was findest du während einer Reise am wichtigsten.

4. Wie ist die Meinung der Jugendlichen? Lies den Dialog und ergänze.

a. Da hast du recht. b. Ich frage mich, warum Profi-Fußballer so viel Geld bekommen.

c. Meiner Meinung nach ist das unfair. d. Hm, ich weiß nicht.

Samy: _____ Das ist doch ein Beruf wie jeder andere.

Ohle: _____

Die Spieler müssen doch hart trainieren und ihre Karriere ist sehr früh zu Ende. Sie brauchen viel Geld.

Samy: _____ Aber in vielen Berufen muss man sehr hart arbeiten und bekommt weniger Geld. Das ist richtig.

Das sehe ich genauso. _____.

Ohle: Ja, das stimmt schon.

5. Schreib die Pronomen in Akkusativ und Dativ

Nominativ	Akkusativ	Dativ
Ich		
Du		
Er		
sie		
Es		
Wir		
Ihr		
Sie		

SPANISH

Contesta a las preguntas siguientes de subjuntivo

Q1. Haz frases con presente de subjuntivo con las expresiones como es importante que, es mejor que, es necesario que, es preciso que, es urgente que.

Q2. Qué harías si fueras español?

Q3. Qué harías si fueras un pajarito?

Q4. Qué harías si ganaras una lotería?

Q5. Tres cosas que te gustaría hacer:

Q6. Tres cosas que nunca te apetecería hacer?

Project :-

Haz un proyecto sobre reserva natural de Zim corbett parque nacional de nuestro país. Y cuál animal animal esta protegido especialmente..

IT

1. Define Spreadsheet?

2. Differentiate between workbook and worksheet?

3. Write the steps for saving a workbook.

4. Write the shortcut for - (a) Creating a new workbook

(b) Saving a workbook

5. Draw a screen showing all the components of OpenOffice Calc.

