



**Session - 2021-22**

**Diwali - Chhath Break Assignment**

**Class - IX**

**Subject - English**

Q1. Write a story in 120 - 150 words that begins with the line :

**Once he was a star sportsperson.....**

Q2. You have recently started living in the college hostel. Write a factual description of your roommate in 120 - 150 words.

Q3. What does the poet mean by the phrase '**war's long winter starved**' ?

Q4. What kind of a dog was Montmorency?

Q5. How was Prashant's village affected by the super cyclone?

Q6. Why did Prashant oppose the government's proposal to set up institutions? What did he suggest and why?

Q7. Were George and Harris good at packing? How can you say that?

Q8. What message is conveyed by the poem 'No Men Are Foreign' ?

Q9. Fill in the blanks with appropriate determiners :

(i) My uncle's lives in .....U.S.A. since 1988.

(ii) ..... of the documents have any signature on it .

(iii) ..... of the time, I am not at home.

(iv) ..... grain they had was damaged by the rain water.

(v) I don't have ..... regret for what I did.

Q10. Fill in the blanks with suitable form of verbs given in the brackets:

(i) The criminal was .....(hang) till death.

(ii) Please do not disturb me. I .....(do) my homework.

(iii) Religion never .....(teach) hatred.

(iv) Science .....(invent) many things for human comfort.

(v) Only the brave .....(deserve) the fair.

**Project Work**

Q11. The poem 'No Men Are Foreign' by James Kirkup is based on the theme of **universal brotherhood**. Find another poem of any other poet which deals with the same theme and explain it . Also explain the impact, the poem puts on the reader's mind .

## Subject - Hindi

- 1- उपसर्ग और प्रत्यय में अन्तर स्पष्ट कीजिए।
- 2- शब्द और पद को परिभाषित करें।
- 3- संदेह और निषेध वाचक वाक्य का एक-एक उदाहरण दें।
- 4- चालाक लोग साधारण आदमी की किस अवस्था का लाभ उठाते हैं ?
- 5- कौन से लोग आस्तिक लोगों की तुलना में श्रेयस्कर हैं ?
- 6- धर्म और ईमान के नाम पर किए जानेवाले भीषण व्यापार को कैसे रोका जा सकता है ?
- 7- सबके कल्याण के लिए क्या सुधारना आवश्यक है ?
- 8- मालाबार में हिन्दू-मुस्लिम के परस्पर सम्बंधों को पठित पाठ के आधार पर लिखिए ।
- 9- लेखक और हामिद की मुलाकात कब हुई ?
- 10- 'हामिद खाँ' पाठ से क्या शिक्षा मिलती है ?
- 11- प्रकाश-पर्व दीपावली के आधार पर एक प्रोजेक्ट (A4 पेपर का प्रयोग करते हुए) तैयार कीजिए ।

## Subject - Sanskrit

### 1. अधोलिखितम् अनुच्छेदं पठित्वा प्रश्नानाम् उत्तराणि लिखत ।

प्रकृतिः मनुष्यस्य उपकारिणी । मनुष्यैः सह तस्याः शाश्वतः सम्बन्धः । सा विविधरूपेषु अस्मिन् जगति आत्मानं प्रकटयति । परावः पक्षिणः, वनस्पतयः च तस्याः एव अंगानि । निराशाः असहायाः जनाः तस्याः एवं आश्रयं प्राप्नुवन्ति । सा स्वमनोहरेण सौन्दर्येण नीरसं हृदयम् अपि सरसं करोति । सूर्यः चन्द्रः च तस्याः नेत्रे । शस्य—श्यामला एषा भूमिः विविधाः औषधः सकलानि खनिजानि च प्रकृतेः एव शोभा । सा तु नित्यम् एव एतैः साधनैः सर्वेषां उपकारं करोति परम् अधन्यः अयं जनः कृतज्ञतां विहाय असाधुसेवितं पथं गच्छति विविधानि कष्टानि च अनुभवति । नरः शाश्वतम् सुखं वाञ्छति चेत् तर्हि प्रकृतेः प्रतिकूलं कदापि न आचरेत् इति ।

#### 1. एकपदेन उत्तरत ।

- (i) प्रकृतिः कस्य उपकारिणी?
- (ii) चन्द्रः सूर्यः च कस्याः नेत्रे स्तः?

#### 2. पूर्ण वाक्येन उत्तरत ।

- (i) प्रकृतिः कथं नीरसं हृदयम् सरसं करोति?
- (ii) नरः कीदृशं सुखं वाञ्छति?

#### 3. भाषिककायम्—

- (i) 'विविधा: औषधयः' अनयोः पदयोः किं विशेषणम् वर्तते?
- (ii) 'जनाः इति कर्तृपदस्य क्रियापदं किम्?
- (iii) 'कृतधनताम्' इति पदस्य विपर्ययः कः आगतः?
- (iv) 'सदा' इति पदस्य कः पर्यायः अत्र आगतः?

4. अस्य अनुच्छेदस्य समुचितं शीर्षकं लिखत ।

2. दीपावली विषये स्वमित्रं रोहनं प्रति लिखितं पत्रं मञ्जूषायाः प्रदत्त पदसहाय्येन रिक्त स्थानानि पूरयित्वा पुनः लिखत ।

महेश कुञ्ज

(i)\_\_\_\_\_

प्रिय मत्र (ii) ..... सप्रेम नमोनमः

अत्र कुशलं तत्रास्तु । अस्मिन् वर्षे मया (iii) ..... पारिवारिक जनानां मध्ये स्थित्वा दीपमालोत्सवः मानितः ।

स्व भ्रातृभिः भगिनीभिः सह मिलित्वा (iv) ..... दीपकाः पंक्तिशः कृत्य प्रदीप्ताः । क्वचित् विविधाकाशः

विधुतदीपकाः क्वचित् च (v) ..... संस्थिताः । निशायाम् (vi) ..... अपि विहितम् । मम

मात्रा गृहे विविधानि सुस्वादूनि मिष्ठान्नानि निर्मितानि । अस्मभिः स्वयमपि तस्य आस्वादनं अकरोत् । मित्रेभ्यः (vii) .....

तस्य वितरणं अकरोत् । अपूर्वेयम् (viii) ..... आशासे भवताऽपि दीपमालिकौत्सवः महतोत्साहेन मानितः (ix) .....

..... । रामेश्वर (x) .....

मञ्जूषा

लक्ष्मीपूजनम्: स्मृतिः, रोहनः धन्यवादेन, बन्धुबान्धवेभ्योऽपि, पञ्चवर्षानन्तरं, न, असंख्यकाः, महाराष्ट्रतः, स्विथवर्तिकाः भवदीयमित्रम्

3. स्वविद्यालस्य चित्रं निर्माय तदाधारित संस्कृतेन पञ्चवाक्यानि लिखत

4. संस्कृतभाषायाम् अनुदयताम्

i) पिता जी मुझ पर क्रुध होंगे ।

ii) हम कल मित्रों के घर जाएँगे ।

iii) आप किस कक्षा के छात्र हैं ।

5. प्रदत्त श्लोकस्य अन्वयं मञ्जूषातः उचितं पदं चित्वा पूरयत

i) परिधानैरलङ्कौरभूषितोऽपि न शोभते ।

नरो निर्मणिभोगीव सभायां यदि वा गृहे ।।

अन्वयः (i) \_\_\_\_\_ अलंकारैः अपि (ii) \_\_\_\_\_ (iii) \_\_\_\_\_ गृहे वा  
(iv) \_\_\_\_\_ निर्मणि भोगीव न शोभते

सभायाम्, भूषितः नरः परिधानैः

6. अधोलिखितं श्लोकं पठित्वा प्रश्नानाम् उत्तराणि लिखित

ततोडस्य सशरं चायं मुक्तामणि विभूषितम् चरणाभ्याम् महारेजा बभ्रजास्य महद्धनुः ।।

1. एकपदेन उत्तरत

4

i) जटायुः कीदृशोऽस्मिन् श्लोके कथितम् ?

ii) जटायुः काभ्यां महद् धनुः बभ्रज ?

2. पूर्णवाक्येन उत्तरत

i) महातेजः जटायुः किम् अकरोत् ?

ii) अस्मिन् श्लोके धनुः कीदृशं वर्णितम् अस्ति ?

7. i) महातेजा बभ्रजास्य महद्धनुः ।

अत्र क्रियापदं किम् ?

(क) महातेजा (ख) बभ्रज (ग) अस्य (घ) धनुः

(iii) 'मतिं नीचाम् अनयोः पद्योः विशेष्य पदम् किम् ?

(iv) 'जटायुस्तमतिक्रम्य तुण्डेनास्य' अत्र कर्तृपदं किम् ?

(क) जटायुः (ख) तम् (ग) तुण्डेन (घ) अस्य

8. रेखांकित पदानि आधृत्य प्रश्न निर्माणं कुरुत

(i) धीरः तत् न समाचरेत् ।

(क) कः (ख) किम् (ग) कम् (घ) का

(ii) श्रीमान् शुभां गिरं व्याजहार ।

(क) काम् (ख) कथम् (ग) कीदृशी (घ) कीदृशीम्

(iii) तपोदत्तः विद्याध्ययनाय गुरुकूलम् अगच्छत्

(क) किमर्थं (ख) काय (ग) कुतः (घ) कस्मा

## Subject-French

### Temps convenable

1. Si j'étais riche, je (partir) vivre sur une île déserte.
2. Ce matin j' (voir) un énorme chien dans la rue.
3. Les enfants (pouvoir) descendre du bus lorsque les policiers auront fini lr enquête.
4. Ce fut une surprise. Jamais je n' (penser) le revoir.
5. Quand on (acheter) un animal, il faut veiller sur lui.
6. Demain, les portes du parc d'attraction n' (ouvrir) qu'à dix heures.
7. Je ne te (croire) que lorsque j'aurai les preuves sous les yeux.
8. Nos ancêtres ne (vivre) pas aussi longtemps qu'aujourd'hui.
9. Hier, je (croire) que tu ne me reparlerais plus jamais.
10. Vous (faire) le lit lorsque je suis arrivée.

## Subject – German

1. Wofür interessierst du dich? Was möchtest du werden? Berichte
2. Wie Konjunktiv II funktioniert? Schreib in Details
3. *Machen Sie vollständige Sätze aus den Elementen. Benutzen Sie "zu" wenn nötig.*
  - a. Macht es dir Spaß, [ jeden Morgen / drei Kilometer / joggen ]?
  - b. Nein, aber es hilft mir, [ fit / bleiben ].
  - c. Hast du wirklich vor, [ einen Wagen / kaufen ]?
  - d. Klar! Ich will nicht mehr [ mit dem Bus / fahren ].
  - e. Hast du Lust, [ mit uns / heute Abend / ins Kino / gehen ]?
4. *Kombinieren Sie die Sätze, indem Sie "um ... zu" oder "ohne ... zu" oder "statt ... zu" benutzen.*
  - a. Ich musste schnell gehen. Ich wollte pünktlich ankommen.  
\_\_\_\_\_
  - b. Ich bin aus dem Haus gelaufen. Ich habe mein Cello nicht mitgenommen.  
\_\_\_\_\_
  - c. Ich musste zurückgehen. Ich musste mein Instrument holen.  
\_\_\_\_\_
  - d. Ich bin mit dem Auto gefahren. Ich habe nicht ein Taxi genommen.  
\_\_\_\_\_
5. Was passt zusammen? Verbinde.

die Zähne	abschließen
Lärm	Putzen
Milch	ausmachen
die Tür	Machen
die Heizung	Besorgen

6. *Was bedeuten die unterstrichenen Ausdrücke? Kreuze an.*
  - a. Jugendliche ab 13 Jahren dürfen den Film sehen.

Jugendliche, wenn sie 13 Jahre und älter sind

Jugendliche bis 13 Jahre

- b. Susi trinkt Apfelsaft. Pauline trinkt das gleiche Getränk.

Pauline trinkt auch Apfelsaft.

Pauline trinkt keinen Apfelsaft.

- c. Du hast ja wieder deine Hausaufgaben nicht gemacht.

auch heute

zum ersten Mal

7. Was passt? Ordne zu.

<b>der Hamburger, die Zeitschrift, der Preis, der Kiosk, das Portemonnaie, die Bank, das Kaufhaus, die Zeitung, das Magazin, das Buch, der Supermarkt, die Süßigkeiten, das Geschäft</b>	
Da kann man einkaufen	Das kann man essen
Das kann man lesen	Das hat mit Geld zu tun

8. Wähle *auf* oder *über* aus.

- a. Lea hat viele schöne Sachen bekommen. Sie freut sich \_\_\_\_\_ die Geschenke.

- b. Daniel hat nächste Woche Geburtstag. Er freut sich \_\_\_\_\_ seine Party.

- c. Felix hat sich am Samstag mit Fanny verabredet. Er freut sich \_\_\_\_\_ das Wochenende.

- d. Heute scheint die Sonne. Lidia freut sich \_\_\_\_\_ das schöne Wetter.

9. Was ist richtig? Ergänze.

- a. (Heute/Morgen) ist mein Geburtstag. Ich freue mich über die Geschenke.

- b. (Heute/Morgen) ist mein Geburtstag. Ich freue mich auf die Geschenke.

10. Schreiben Sie eine Geburtstagfeier Planen in Detail.

### Subject – Spanish

#### **\*Completa frases siguientes de subjuntivo pasado con oraciones condicionales\***

Ej. Si lloviera mucho en el Sahara, no sería un desierto.

1. Si no hubiera petróleo, .....

2. Si el ser humano volara, .....

3. Si no existieran las medicinas, .....

4. Si pudiéramos vivir en Marte, .....

5. Si el Polo Norte se derritiera (derretirse- to melt), .....

#### **\*Llena los huecos con pretérito imperfecto de subjuntivo\***

Ej. Si fuera/fuese más simpático, tendría más amigos.

6. Si ..... más amigos, me divertiría más con ellos.

7. Si me ..... más con ellos, saldría más con mis amigos.
8. Si ..... más con mis amigos, estaría menos en casa.
9. Si ..... menos en casa, no vería televisión mucho.
10. Si ..... fútbol en serio, serías un gran jugador como Sunil Chhetri de la India.

Project :-

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

### Subject - Mathematics

1. Name few quadrilaterals in which diagonals are equal.
2. Name few quadrilaterals in which diagonals bisect each other.
3. Name few quadrilaterals in which diagonals bisect the vertex angles.
4. The quadrilateral formed by joining the mid points of the adjacent sides of
  - (i) A quadrilateral is a .....
  - (ii) A rectangle is a .....
  - (iii) A square is a .....
  - (iv) A rhombus is a .....
5. Draw a circle of radius 5 cm. Take 2 non parallel chords of the circle and draw their perpendicular bisectors. Where do they intersect? Justify your finding.
6. Two circles with centres A and B and of radii 5 cm and 3 cm touch each other internally. If the perpendicular bisector of segment AB meet the bigger circle in P and Q, find the length of PQ.
7. AB and AC are two chords of a circle of radius r such that  $AB = 2AC$ . If p and q are the distance of AB and AC from the centre, prove that  $4q^2 = p^2 + 3r^2$ .
8. Let X be any point with a square ABCD. On side AX a square AXYZ is described such that D is within it. Show that  $BX = DZ$
9. ABCD is a rhombus in which altitude from D to side AB bisects AB. Find the angles of the rhombus.
10. P, Q and R are the mid points of AB, BC and AC respectively of triangle ABC. If the perimeter of triangle PQR is 20.5 cm, find the perimeter of triangle ABC.

**PROJECT: prepare a project on various kinds of quadrilaterals highlighting their properties . Submit as a stick file or a chart paper.**

**OR**

**Device a means of trisecting an angle.**

### Subject - Physics

1. A rocket is moving up with a velocity v. If the velocity of this rocket is suddenly tripled, what will be the ratio of two kinetic energies?
2. Find relation between kinetic energy and momentum. Compare the kinetic energies of two objects of masses 10kg and 50kg respectively but having same momentum?
3. Define kinetic energy? Give SI unit? State two factors on which the magnitude of kinetic energy depends. Derive expression for it .
4. A ball of mass 2kg is thrown up with a speed of 10m/s. find the kinetic energy of the ball at the time of throwing. Also find the potential energy of the ball at the highest point and half way of highest point?
5. Prove that during free fall of an object from certain height the total mechanical energy of body remain constant at any instant of time. Also represent the variation of total energy with respect to distance during free fall.

6. A boy stands on the edge of a cliff and throws a stone vertically downward with an initial speed of 10 m/s. The instant before the stone hits the ground below, it has 1000 J of kinetic energy. If he were to throw the stone horizontally outward from the cliff with the same initial speed of 10 m/s, how much kinetic energy would it have just before it hits the ground?

7. Two objects of masses  $m$ , and  $2m$  having the same size are dropped simultaneously from heights  $h$ , and  $2h$  respectively. Find out the ratio of time they would take in reaching the ground. Will this ratio remain the same if (i) one of the objects is hollow and the other one is solid and (ii) both of them are hollow, size remaining the same in each case. Give reason.

8. What happens to the force between two objects, if

(i) the mass of one object is doubled?

(ii) the distance between the objects is doubled and tripled?

(iii) the

mass of both the objects are doubled keeping distance same?

9. Define acceleration due to gravity. Show that the value of acceleration due to gravity decreases with height above the surface of earth and depth below the surface of earth.

10. How does the weight of an object vary with respect to mass and radius of the earth? In a hypothetical case, if the diameter of the earth becomes half of its present value and its mass becomes four times of its present value, then how would the weight of any object on the surface of the earth be affected?

PROJECT BASED QUESTION:-

11. Make a project on Conversion of energy from one form to another with any example. The project must be made on A4 size sheet.

### Subject – Chemistry

Q1. How many electrons are present in  $\text{He}^{+2}$  ion? Suggest another name for it.

Q2. What is the number of valence electrons in ( a) sodium ion ( b) oxide ion

Q3. Element A and B have atomic numbers 18 and 16 respectively. Which of these would be more reactive and why?

Q4. List three observations of the experiment performed by Rutherford for his model of an atom.

Q5. The electronic configuration of an element Z is 2,8,8

a) What is the atomic number of the elements?

b) What type of ion will be formed by an atom of this element?

Q6. Write the two postulates of Thomson's model of an atom.

Q7. Write the drawbacks of Thomson's model of an atom.

Q8. State the postulates stated by Neil's Bohr in order to overcome the objection as raised against Rutherford's model of atom.

Q9. How do neutrons and protons differ in their characteristics?

Q10. If K and L shells of an atom are completely filled, then what would be the (i) the total number of electrons in an atom and ( ii) valency?

**Project based question:**



Draw the structure of following atoms on a chart paper

- a) Sodium
- b) Chlorine

Also, mention their valency, mass number and no. of protons, electrons and neutrons.

### **Subject – Biology**

Q1. Write the location and function of each

- (a) Cuboidal epithelium    (b) Glandular epithelium    (c) Columnar epithelium

Q2. What is stratified Squamous epithelium. State its function.

Q3. What is a tissue? Justify that blood is a tissue.

Q4. List any four functions of blood.

Q5. Differentiate between blood and lymph.

Q6. Differentiate between bones and cartilage with respect to structure, function and location

Q7. Name the tissue associated with the following

- (a) Haversian Canal    (b) Chondrocytes    (c) Thrombocytes

Q8. (a) Name the tissue which joins (i) Muscles to bones (ii) Bones to bones

(b) Which of the two is (i) More elastic (ii) Stronger

Q9. Analyse the significance of specialised epithelial tissue present in the following:

- (a) Ciliary columnar epithelium in respiratory tract
- (b) Columnar epithelium in inner lining of intestine

Q10. Name the type of epithelial tissue found in the following organs. Also draw the diagram of each tissue (I) Skin (II) Inner lining of intestine (III) Ducts of salivary gland

### **Activity Based Question**

Que- Draw labelled diagrams of different types of WBCs and state their functions.

### **Subject - Hist/Civ**

1. Define the concept of Lebensraum? Why was it propagated by Hitler?
2. Explain two causes of Great Economic Depression. State three consequences of the economic depression on Germany.
3. 'The crimes that the Nazis committed were linked to a system of belief and a set of practices'. Explain.
4. "In India, value of free and fair election has always been promoted." Support the statement with facts.
5. Suggest any five reforms in the electoral system of India.
6. What unfair practices are generally used in elections by the contesting candidates?

7. Explain any three ways through which a large population considered as liability can be turned into a productive asset?
8. 'Human resource is superior to any other resource.' Explain the statement with suitable examples.
9. 'Employment structure in the primary sector is characterised by self-employment.' Explain.
10. Why will a firm not like to employ a worker with ill-health? How does it affect the working environment?

### Project Work

On a 1/4th (one fourth) chart paper design a colourful poster highlighting the candidates contesting general Lok Sabha election with catchy slogans and write ups.

### Subject - Geography

#### **A. Questions (Chapter - Climate)**

- 1) Why does Thiruvananthapuram have a moderate climate?
- 2) Name the sea which is responsible for the western cyclonic disturbances in winter season.
- 3) The phenomenon of the monsoon is experienced in which range of latitude?
- 4) What is the effect of the presence of EL Nino in the western Pacific Ocean?
- 5) Define the term 'Loo'.
- 6) How the altitude influences the climate of India?
- 7) What is the coriolis force? Describe briefly its effect on the world climate.
- 8) How do Western disturbances affect the climate of India?
- 9) What is the ITCZ? What is its significance?
- 10) "India has diverse climatic conditions". Support this statement by giving regional variation in precipitation conditions.

#### **B. Project Work**

Project on "DISASTER MANAGEMENT" students must cover the following points in minimum 10 pages (A4 size paper)

- 1) Top page
- 2) Acknowledgement
- 3) Content
- 4) Introduction
- 5) Awareness about different disaster
- 6) Their consequences
- 7) Management
- 8) Mitigation plans
- 9) Preparedness
- 10) Conclusion
- 11) Bibliography

Submission Date - 1<sup>st</sup> Geography period after the reopening the school.

### Subject - Information Technology (IT)

1. What is Spreadsheet? Name some examples of it.
2. List the different types of data used in a spreadsheet.
3. Write the steps to rename a worksheet.

4. Differentiate between worksheet and workbook.
5. Write the steps to save a worksheet.
6. What is cell referencing? Explain all its types.
7. Differentiate between active cell and range of a cell.
8. Explain about the “Autofill” feature in spreadsheet.
9. List the different types of chart present in spreadsheet.
10. Write the steps to insert a chart in a spreadsheet.

### Project -

Create a worksheet in “Calc” for the following data:

ABC Shop Limited								
Name	Designation	Basic pay	HRA	TA	DA	Tax	Total	Net pay
Shoaib	Manager	30000	30% of Basic pay	5% of Basic pay	20% of Basic pay	10% of Basic pay		

- a) Enter 15 people’s data.
- b) Align the data item in the center of a cell.
- c)  $\text{Total} = \text{Basic pay} + \text{HRA} + \text{TA} + \text{DA}$
- d)  $\text{Net pay} = \text{Total} - \text{Tax}$
- e) Heading (ABC Shop Limited) should be Bold, Center of the cell and should be merged as shown.
- f) Draw a Line, Bar, Pie and Column chart based on the table prepared.
- g) Create a pdf in which first page will contain the table with different formatting details, second page will contain the table with any two charts and the third page should again contain the table with remaining charts over their.
- h) Send the pdf to your respective teachers mail ID.