



**DELHI PUBLIC SCHOOL, SAIL TOWNSHIP, RANCHI**

**SESSION - 2021-22**

**WINTER ASSIGNMENT**

**CLASS - VIII**

---

**English**

I. Change the following sentences into indirect speech.

1.He said,"I went to the cinema yesterday."

2.The teacher said,"The sun rises in the east,"

II. State whether the following sentences are Noun Clauses, Adverb Clauses or Adjective Clauses.

1.As he entered the room ,all stood up to greet him.

3.This is the house which my grandfather built.

4.The man about whom you were speaking is my uncle.

III. 'Where there is a will, there is a way. Use this proverb to write a story. Provide a suitable title and a moral of the story. The beginning is given below: (Word limit - 150 words)

Once there was a lazy boy named Sunil. Due to his laziness he did not work hard and scored very less in his school exams.....

**Maths**

1. (a)By what number should  $(-5)^8$  be divided so that the quotient may be equal to  $(-5)^{-3}$ ?

(b) If  $25^{x-1}=5^{2x-1}-100$ ,find the value of x.

2. (a).If  $a^x=b^y=c^z$  and  $b^2=ac$ ,prove that  $y=\frac{2xz}{x+z}$

(b) If  $a^x=b$ , $b^y=c$  and  $c^z=a$  ,then prove that  $xyz=1$

3. The area of trapezium shaped field is  $480m^2$  , the height is 15m and one of the parallel side 20m. Find the other side.

4. There is a circular pond and a footpath runs along its boundary. A person walks around it, exactly once keeping close to the edge. If his step is 66cm long and he takes exactly 400 steps to go around the pond, find the diameter of the pond.

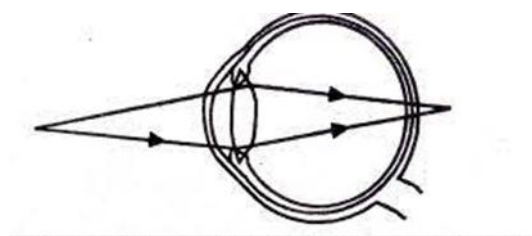
5. A well with 10m inside diameter is dug 14m deep. Earth taken out of it is spread all around to a width of 5m to form an embankment. Find the height of the embankment.

6. Find the number of edges of a pyramid whose base is a pentagon.

7. Verify Euler's formula for a trigonal bipyramid
8. If a prism has its base as a polygon of 'n' sides, then find its number of edges, vertices and faces.
9. If  $x + \frac{1}{x} = \sqrt{5}$ , find the values of  $x^2 + \frac{1}{x^2}$  and  $x^4 + \frac{1}{x^4}$
10. If  $3x - 7y = 10$  and  $xy = -1$ , find the value of  $9x^2 + 49y^2$ .

### Physics

1. What happens when a glass rod and silk cloth are rubbed with each other?
2. Define charging by conduction.
3. What is meant by 'persistence of vision'? How is this property of the eye used in movies?
4. Name the defect of the eye shown in the diagram below. Explain the correction of the defect with a ray diagram.



### Chemistry

1. Differentiate between:
  - a. combustible and non combustible material
  - b. Explosive and spontaneous combustion
2. Explain why we are advised not to sleep in a room having closed doors and windows with a school fire burning inside

### Biology

1. What happens to the mature egg if it is not fertilised by a sperm? Explain the process of ovulation
2. What are the advantages of sexual reproduction over asexual reproduction?
3. Why do males produce millions of sperms but females produce only one mature egg in a month?
4. Draw a well labelled diagram of a sperm.

## German

1. Wie feierst du Weihnachten? Schreib mindestens 50 Wörter
2. Schreib und lern das Perfekt von den Verben (Kursbuch seit Nummer 43).
3. Du hast den Bauch schmerzen und musst zu Hause bleiben. Deine Klassenkameraden wollen dich besuchen.  
Beschreib den Weg von der Schule zu dir nach Hause. Du kannst auch eine Zeichnung dazu machen.
4. Kennst du die Geschichte vom Dornröschen? Im Internet kannst du sie finden und nachschreiben.
5. **Der Dativ.** Füllen Sie die Tabelle mit den richtigen Artikeln ein.

	<i>m</i>	<i>f</i>	<i>n</i>	<i>pl</i>	<i>m</i>	<i>f</i>	<i>n</i>	<i>pl</i>
NOM	<u>der</u>	<u>die</u>	_____	_____	_____	_____	_____	<u>meine</u>
AKK	_____	_____	<u>das</u>	<u>die</u>	_____	<u>meine</u>	<u>mein</u>	_____
DAT	_____	_____	<u>dem</u>	_____	<u>meinem</u>	_____	_____	<u>meinen</u>

## Japanese

1. Write an essay about “My trip to the sea beach” using the following verbs in Japanese (Hiragana and Katakana). Your essay must have at least 10 sentences.
  - 1) いきます
  - 2) およぎます
  - 3) かいます
  - 4) みます
  - 5) たべます
  - 6) のみます
  - 7) りょうり します
  - 8) つくります
  - 9) あそびます
  - 10) かえります
2. Write 5 sentences in Japanese (Hiragana and Katakana) on the traditional dress of Japan 「きもの」.
3. Translate the following Animal names into Katakana (Japanese).
  - 1) Monkey
  - 2) Frog

- 3) Koala
- 4) Fox
- 5) Hippopotamus
4. Write the opposite words for the following words in Hiragana. Then, write sentences using those opposite words in Japanese (Hiragana and Katakana).

- 1) たかい
- 2) ちいさい
- 3) くらい
- 4) した
- 5) かなしい

5. Write the names of four seasons in Japanese (Hiragana). Then, write an essay on “My favourite season”. Your essay must present the reasons why you like this season more than other seasons. Your essay must have at least 10 sentences.

### **French**

#### **Expliquez :**

1. Passé composé.
2. Transitif /Intransitif verbs
3. Format of invitation writing
4. Les drapeau français.
5. Les repas français

### **Spanish**

Q1. Haz frase con la expresión de colores :  
quedarse blanco, ver negro, ponerse morado, poner verde,  
Ponerse colorado.

Q2. Escribe pretérito imperfecto de subjuntivo de los verbos abajos:  
Comprar, aprender, escribir.

Q3. Haz conjugación en Pretérito imperfecto de subjuntivo de los verbos irregulares:  
Ser/ir, estar, tener

Q4. Haz conjugación en condicional simple de los verbos abajos:  
Limpiar, hablar, aprender, beber, vivir, escribir.

Q5. Tres cosas que te gustaría hacer y tres cosas que nunca harías.

## Hindi

वर्ग - आठ

शीतकालीन अभ्यास कार्य

विषय - हिन्दी

- 1) बच्चों के उद्यम मचाने के कारण घर की क्या दुर्दशा हुई ?
- 2) 'माधुरी' नामक फिल्म की नायिका कौन थी ?
- 3) आलमआरा फिल्म में किन - किन पात्रयंत्रों का इस्तेमाल किया गया ?
- 4) सुदामा और कृष्ण की मुलाकात की दशा का वर्णन करें।
- 5) हल्धर कौन थे ?
- 6) 'साइकिल आंदोलन' से प्रदुग्नेट्टई की महिलाओं के जीवन में कौन - कौन से बदलाव आए हैं ?
- 7) कातिमा क्या करती थी ?
- 8) अकर्मक क्रिया को सीदाहरण स्पष्ट करें।
- 9) मुहम्मद किस भाषा का शब्द है ?
- 10) ' और : विराम चिह्नो' का नाम लिखें।
- 11) कालवाचक और स्थानवाचक क्रियाविशेषण के अर्थ दे।
- 12) सरई से लेखक/रहनीकार का क्या संबंध है ?
- 13) 'पानी और पुल' किस घटनापर आधारित है ?
- 14) लेखक के पिता ने अपना रोजगार कहां जमा लिया ?
- 15) 'पंजाब' नाम कितने नदियों के मैल से बना है ?

## Sanskrit

Class - VIII

Winter Holiday Assignment

Sub: - Sanskrit

- Q. 1. यथानिर्देशम् उत्तरत - (एकपदेन)
- 'नायगाँव- नाग्नि स्थाने सावित्री अजायत'- इति वाक्ये क्रियापदं किम्?
  - 'सावित्री कुरीतीनां मुखरं विरोधम् अकरोत्'- इति वाक्ये कर्तृपदं किम्?
  - 'प्रबलः समर्थकः अनयोः विशेषणपदं किम्?
  - 'इयं सामान्या पाठशाला नास्ति'- इति वाक्ये विशेष्यपदं किम्?
  - 'साहित्यरचनया अपि सावित्री महीयते'- इति वाक्ये अव्ययपदं किम्?
- Q. 2. रेखांकितपदानि आधृत्य प्रश्ननिर्माणं कुरुत -
- सा कल्याणां कृते प्रदेशस्य प्रथमं विद्यालयं आरभत ।
  - साहित्यरचनया अपि सावित्री महीयते ।
  - अधुना प्लास्टिकनिर्मितानि वस्तूनि प्रायः प्राप्यन्ते ।
- Q. 3. सन्धिविच्छेदं कुरुत -
- वहिरागत्य = — + —
  - काञ्चित् = — + —
  - कलमेत्यादीनि = — + —
- Q. 4. कौष्ठकगतपदेषु उचितां विभक्तिं प्रयुज्य रिक्तस्थानं पूरयत -
- नमः । (अम्बा)
  - इदं भोजनं — अन्नम् । (बालक)
  - बहिः नदी वहति । (ग्राम)
  - मृगः — विभेति । (सिंह)
- Q. 5. शब्दरूपाणि लिखत -
- कवि - पंचमी, षष्ठी
  - रमा - तृतीया, चतुर्थी
  - राजन् - प्रथमा, द्वितीया