

AUTUMN BREAK HOLIDAY HOMEWORK
CLASS – VI A

ENGLISH

1. Revise the syllabus of Mid - Term provided in WhatsApp group.
2. Complete all notebooks .
3. Prepare a Learner’s Diary consisting review of each lesson we completed till now answering the following questions -
 - a. What I learnt from the lesson?
 - b. What I found challenging?
 - c. What I found interesting?
4. Complete the Multi Disciplinary Project assigned by teachers.

HINDI

1. एकवचन से बहुवचन बनाये- तोता, दीवार, घोड़ा, बच्चा, रात, माला, कला, कविता, गुड़िया, तितली, रोटी, धातु, लडका, टोपी, कन्या
2. पुल्लिंग से स्त्रीलिंग बनाये- बाल, सुत, अनुज, बालक, बेटा, बंदर, ठाकुर, माली, पुजारी, शेर, देवर, पाठक, सेवक, अभिनेता, युवक
3. अनुच्छेद लिखिए 100 शब्दों में
 - लक्ष्मीबाई
 - राष्ट्रीय पर्व

MATHEMATICS

1. How many fractions lie between 0 and 1? Think and write your answer?
2. Give a proper fraction :
 - (a) whose numerator is 5 and denominator is 7.
 - (b) whose denominator is 9 and numerator is 5.
 - (c) whose numerator and denominator add up to 10. How many fractions of this kind can you make?
 - (d) whose denominator is 4 more than the numerator.
3. Find the fraction that represents the number of natural numbers to total numbers in the collection 0, 1, 2, 3, 4, 5. What fraction will it be for whole numbers?
4. Write the fraction representing the total number of natural numbers in the collection of numbers –3, – 2, –1, 0, 1, 2, 3. What fraction will it be for whole numbers? What fraction will it be for integers?
5. What fraction of a straight angle is a right angle?
6. Find five equivalent fractions of each of the following:
 - (i) $\frac{2}{3}$
 - (ii) $\frac{1}{5}$

(iii) $\frac{3}{5}$

(iv) $\frac{5}{9}$

7. Write the simplest form of :

(i) $\frac{15}{75}$

(ii) $\frac{16}{72}$

(iii) $\frac{17}{51}$

(iv) $\frac{42}{28}$

(v) $\frac{80}{24}$

SCIENCE

1. Paste two objects each of transparent, translucent and opaque.
2. Paste two objects each of conductor and insulator of electricity.
3. Paste two objects each of magnetic and non magnetic material

SUBJECT -SANSKRIT

1. विद्यार्थियों आपको मानव शरीर की एक संरचना बनानी है और संस्कृत में सभी अंगों के नाम को वहां पर दर्शना है
2. अपनी पाठ्यपुस्तक से संस्कृत के किन्हीं दो श्लोक को कंठस्थ करके और में कक्षा में सुनाना है
3. अपनी अभ्यास पुस्तिका में संस्कृत की छात्रा प्रतिज्ञा को लिखना है

SOCIAL STUDIES

History

- Write a short note on Buddha. What were the similarities between the teachings of Buddha and Mahavira?

Map Work

- Locate various places associated to Buddha on Indian political map.

Social and Political Life/Civics

- What is Gram Sabha and how it plays an important role in the development of a village.

Geography

Poster

- Prepare a poster to show either causes or consequences of the global warming.
- How do scientists establish their research centers in Antarctica?

Class – VI B

Subject-English

Q. 1. Revise the syllabus of Mid - Term provided in WhatsApp group.

Q. 2. Complete all notebooks of Classwork .

Q. 3. Prepare a Learner's Diary consisting review of each lesson we completed till now answering the following questions -

- a. What I learnt from the lesson?
- b. What I found challenging?
- c. What I found interesting?

Q.4. Complete the Multi Disciplinary Project assigned by teachers.

SCIENCE

1. Paste two objects each of transparent, translucent and opaque.
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MATHS

How many fractions lie between 0 and 1? Think and write your answer?

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 - (b) whose denominator is 9 and numerator is 5.
 - (c) whose numerator and denominator add up to 10. How many fractions of this kind can you make?
 - (d) whose denominator is 4 more than the numerator.
2. Find five equivalent fractions of each of the following:
 - (i) $\frac{2}{3}$
 - (ii) $\frac{1}{5}$
 - (iii) $\frac{3}{5}$
 - (iv) $\frac{5}{9}$
3. Write the simplest form of :

(i) 15/75

(ii) 16/72

(iii) 17/51

(iv) 42/28

(v) 80/24

4. Find the fraction that represents the number of natural numbers to total numbers in the collection 0, 1, 2, 3, 4, 5. What fraction will it be for whole numbers?
5. Write the fraction representing the total number of natural numbers in the collection of numbers $-3, -2, -1, 0, 1, 2, 3$. What fraction will it be for whole numbers? What fraction will it be for integers?
6. What fraction of a straight angle is a right angle?

वकाशकालीन कक्षाछठी गृह कार्य अ ब

1. विद्यार्थियों आपको मानव शरीर की एक संरचना बनानी है और संस्कृत में सभी अंगों के नाम को वहां पर दर्शना है
2. अपनी पाठ्यपुस्तक से संस्कृत के किन्हीं दो श्लोक को कंठस्थ करके और में कक्षा में सुनाना है
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Social Science

History

- Write a short note on Buddha. What were the similarities between the teachings of Buddha and Mahavira?

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- Locate various places associated to Buddha on Indian political map.

Social and Political Life/Civics

- What is Gram Sabha and how it plays an important role in the development of a village.

Geography

Poster

- Prepare a poster to show either causes or consequences of the global warming.
- How do scientists establish their research centers in Antarctica.
- शरदऋतुअवकाशगृहकार्य Hindi
- 1. एकवचनसेबहुवचनबनाये- तोता, दीवार, घोड़ा, बच्चा, रात, माला, कला, कविता, गुड़िया, तितली, रोटी, धातु, लडका, टोपी, कन्या
- 2. पुल्लिंगसेस्त्रीलिंगबनाये- बाल, सुत, अनुज, बालक, बेटा, बंदर, ठाकुर, माली, पुजारी, शेर, देवर, पाठक, सेवक, अभिनेता, युवक
- 3. लक्ष्मीबाई और राष्ट्रीयपर्वअनुच्छेदलिखो (100 शब्द)

AUTUMN BREAK HOLIDAY HOMEWORK

CLAS: VII (A)

SUBJECT: ENGLISH

1. READING TASK:

READ OUT THE FOLLOWING POEMS/STORIES PROPERLY :

1. THE ASHES THAT MADE TREES BLOOM
2. QUALITY
3. TREES
4. EXPERT DETECTIVES
5. MYSTERY OF THE TALKING FAN
6. CHANDNI

2. WRITING TASK:

A. READING PASSAGES

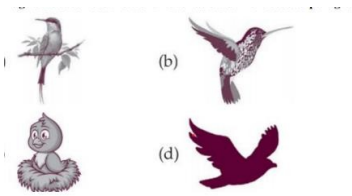
Read the passage carefully and answer the questions that follow.

Have you ever heard the sound of a hummingbird? They make a buzzing noise when they fly. They make the noise because they beat their wings so fast. They beat their wings up to 80 times a second. All that flapping makes a lot of noise. That's why we call them hummingbirds. ii. Hummingbirds fly in a unique way. They move their wings so fast that they can hover. This means that they can stay in one spot in the middle of the air, like a helicopter. Sometimes they fly or hover upside down. They are the only birds that can fly backwards. iii. Hummingbirds are small. One type called the bee hummingbird is the smallest bird in the world. They build tiny nests. They use cobwebs and bits of bark to make their nests. They move very fast and their favourite food is nectar. iv. Hummingbirds don't use their beaks like straws. They have a tongue just like you. They use their tongue for eating. They flick their tongues in and out while inside a flower. They lap up the nectar. Hummingbirds help flowers too. They help in the transfer of pollen from one flower to another. This helps the flowers make more seeds. More Isn't it nice how things work out?

1. Why are they called hummingbirds?

- a) They are very light.
- b) Their wings make a humming sound.
- c) They sing when they fly.

2. Which image best describes the word hover as used in the second paragraph?



3. According to the paragraph, what does the bee humming bird use to make their nests?

- a) Sticks
- b) Bits of bark
- c) Straw

4. How do humming birds help flowers?

- a) They transfer pollen from one flower to another.
- b) They drink nectar.
- c) They eat pollen.

5. How do humming birds eat?

- a) They lap up nectar with their tongues.
- b) They chew the petals using their beak.
- c) They drink nectar using their beaks.

B. GRAMMAR

1. Fill in the blanks with Articles (a/an/the): $\frac{1}{2} \times 8 = 4$

- i. Ooty is _____ hill station in _____ Nilgiris.
- ii. I gave him _____ one-rupee coin.
- iii. His brother is _____ engineer but his sister is _____ doctor.
- iv. He is _____ officer in _____ army.
- v. Bravo! what _____ idea!

2. Use Prepositions to fill in the blanks: $\frac{1}{2} \times 8 = 4$

- i. He was born _____ the 7th day _____ June _____ the year 1991.
- ii. This house is made _____ brick.
- iii. I go _____ bed _____ 10 p.m.
- iv. He came here _____ rail.
- v. He cares _____ nothing.

3. Read each sentence and add the correct punctuation mark (., ? !).

- a. How was your day in school
- b. Do your assignments in class on time
- c. I'm so excited I passed the test
- d. Walking up that mountain is dangerous
- e. Who is the most popular singer

C. WRITING:

(I) Write down a short paragraph within 100 words

(a). YOUR DAILY LIFE

(b) YOUR SCHOOL

(II)

(a) You are Santosh, a student of class VI. You have lost your lunch box during the recess near the school playground. Draft a notice in about 50 words requesting the finder to return it to you.

(b) Write an application to your school Principal of your school requesting him/her to grant you 2 days leave on account of your cousin's marriage.

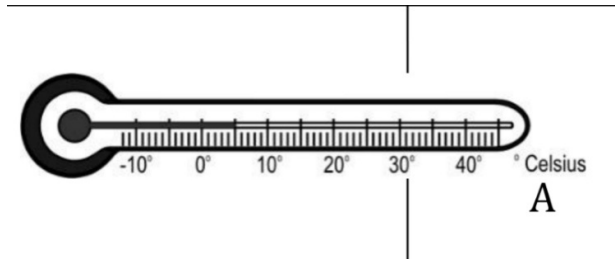
SUBJECT : MATHEMATICS

INSTRUCTIONS:

- Read all the questions carefully before solving.
- Complete class copy and home work copy.
- Write the solution of questions in Mathematics homework copy in neat and clear hand writing.

Section A (Questions)

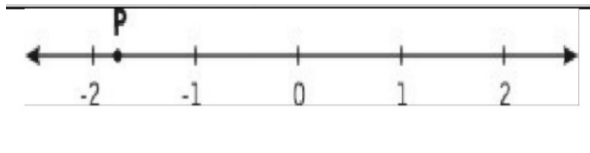
- Find five rational numbers between:
a) -7 and -6 b) $\frac{4}{-7}$ and $\frac{-3}{8}$
- There are _____ rational numbers between two integers. (one / two/ zero/ unlimited)
- In standard form of a rational number , we divide its numerator and denominator by its _____ (HCF/LCM/PRODUCT)
- State true or false:
a) All integers are rational numbers.
b) All fractions are rational numbers.
c) All rational numbers are fractions.
d) The multiplicative inverse of a rational number is not always a rational number.
- Which of the following rational number is negative?
a) $-\left(\frac{8}{-7}\right)$ b) $\frac{-8}{-7}$ c) $\frac{8}{-7}$
- Which of the following CANNOT be positive?
a) The product of two negative numbers.
b) The sum of two negative numbers
c) The difference of two negative numbers.
d) The sum of a positive and a negative number.
- Which of the following is equal to 1?
a) $(7-1)+3 \div 9$ b) $[(10-3) -1] \div 6$ c) $2 \times 3 - 5 \times 5 + 4$
- This is what the thermometer showed on a certain day in Nagaon.



By evening, the temperature had fallen rose by 2 degrees. By midnight, it had fallen 4 degree Celsius. The temperature recorded at midnight would be:

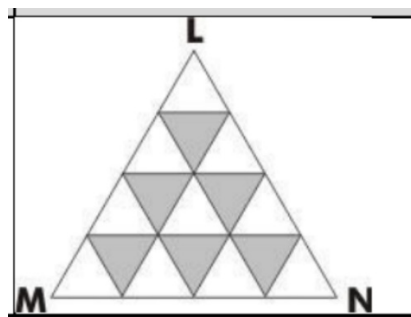
- a) 2° C b) 3° C c) 5° C d) 6° C

9. A point P is shown on the number line.



Starting from P, if you move 5 units to the right and then 7 units to the left on this line, where would you end up? Justify your answer with the help of diagram.

10. What percentage of the triangle LMN is shaded and what percentage is unshaded ?



Section B (Activities)

11. Make an art work using different geometric shapes only.
 12. Complete the following table and make a double bar graph to represent the data.

SUBJECTS	MARKS IN PT-1 (out of 40)	MARKS IN MID TERM (out of 40)	MEAN OF MARKS
MATHEMATICS			
ENGLISH			
SCIENCE			
S. ST			
HINDI			
SANSKRIT			

SUBJECT: SCIENCE

Dear Students,

It's time for the Autumn Break, and it is the time where we have fun with our family members. So we have designed some fun projects for your holidays that will help you learning with enjoyment along with your family.

PROJECT: HEALTHY LIFESTYLE

As we discussed the topic **Nutrition in Animals** in the class and we hope that you have realised how important it is for us to have balanced diet in order to keep our body working and healthy, based on the topic following activities are designed.

ACTIVITY 1: Discuss with your parents and grandparents, the way to lead a healthy life. Based on the discussion, design a diet plan for the children of your age group with tips and suggestions to lead Healthy life.

ACTIVITY 2: Work on your self-healing power and write various ways to boost your Immune System.

ACTIVITY 3: Fast food is not good for health. Compose a story (150-200 words with pictures and Drawings) with this message wherein a girl or boy explains to her/his younger brother, the bad effects of eating fast food.

NOTE: Write all the activities in A4 size paper and submit in compile file.

SUBJECT :SOCIAL SCIENCE

History - Ch - Tribe, Nomads and Settled Communities

- Locate some major tribes on map of India.
- Draw a picture of a tribe in your notebook and write a few sentences about the tribes.

Social and Political Life/Civics Ch- Women change the world

- How women play an important role in the development of society.
- Write a short description that highlights a women's contributions and why she is considered a change- maker.

Geography

- Make a poster on topic '**conservation of water**'.
- How Tsunami develops and how a Tsunami impacted our nation in 2004.

SUBJECT: HINDI

कक्षा सातवीं

शरद ऋतु अवकाश गृहकार्य

1. भारत के राज्य उनके प्रसिद्ध व्यंजन की एक लिस्ट बनाओ।
 2. विज्ञापन का महत्व खनपान के लिये अनुच्छेद लिखे (100 शब्दों)
 3. बाल महाभारत के अध्याय पढ़ें और 5 प्रश्न उत्तर लिखें
- पांडवों की रक्षा , द्रौपदी का स्वयंवर, इंद्रप्रस्थ, जरासंध

SUBJECT: SANSKRIT

सभीकाय अपनी संस्कृतक notebook मे करना है 1

- 1 – गम्धातु , पठ्धातु पाणलट् लकारे , लृट् लकारे , लोट् लकारे , लृट् लकारे व धलङ् लकारे लखत 1
- 2 – 1-100 पयतं संस्कृत संयानाम् लखतु मरतु च 1
- 3_ पा पुतक सेक ही 3 ोक को याद करना है 1
- 4_ पुनरावृ करना है पढये एपाठोका

कक्षा- सातवीं ब हिंदी

- 1- भारत के राज्य और उनके प्रसिद्ध व्यंजन की सूची बनाइये
- 2- विज्ञापन का महत्त्व विषय पर एक अनुच्छेद लगभग 100 शब्दों का लिखिए
- 3- बाल महाभारत के अध्याय पढ़े और 5 प्रश्न उत्तर लिखिए
पांडवों की रक्षा, द्रौपदी का स्वयंवर, इन्द्रप्रस्थ, जरासंध

Social Science

History - Ch - Tribe, Nomads and Settled Communities

- Locate some major tribes on map of India.
- Draw a picture of a tribe in your notebook and write a few sentences about the tribes.

Social and Political Life/Civics Ch- Women change the world

- How women play an important role in the development of society.
- Write a short description that highlights a women's contributions and why she is considered a change- maker.

Geography

- Make a poster on topic 'conservation of water'.
- How Tsunami develops and how a Tsunami impacted our nation in 2004.

MATHEMATICS

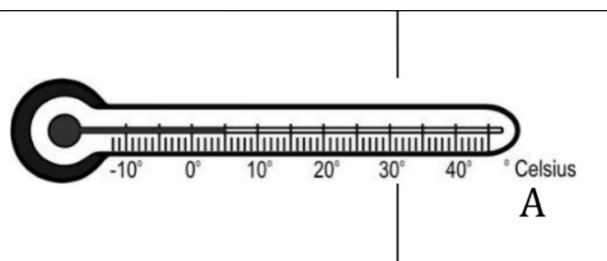
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Section A (Questions)

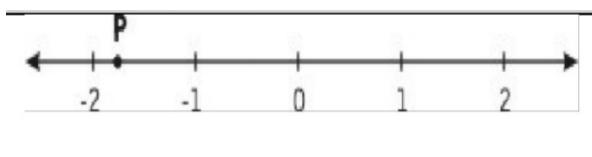
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 - Which of the following rational number is negative?
 - $-\left(\frac{8}{-7}\right)$
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 - Which of the following CANNOT be positive?
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 - Which of the following is equal to 1?
 - $(7-1)+3 \div 9$
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 - $2 \times 3 - 5 \times 5 + 4$
 - This is what the thermometer showed on a certain day in Nagaon.



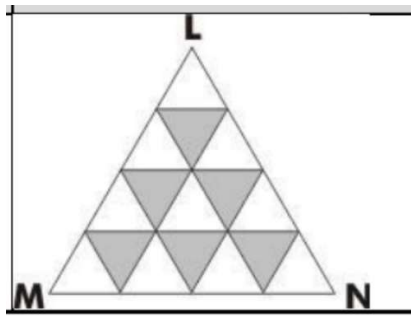
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Section B (Activities)

11. Make an art work using different geometric shapes only.
12. Make a Mathematical greeting card on the topic “Rational Number”
13. Complete the following table and make a double bar graph to represent the data.

SUBJECTS	MARKS IN PT-1 (out of 40)	MARKS IN MID TERM (out of 40)	MEAN OF MARKS
MATHEMATICS			
ENGLISH			
SCIENCE			
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HINDI			
SANSKRIT			

VII ENGLISH

CLASS:
SUBJECT:

1. READINGTASK:

READ OUT THE FOLLOWING POEMS/STORIES PROPERLY :

1. THE ASHES THAT MADE TREESBLOOM

2. QUALITY
3. TREES
4. EXPERT DETECTIVES
5. MYSTERY OF THE TALKING FAN
6. CHANDNI

2. WRITING TASK:

A. READING PASSAGES

Read the passage carefully and answer the questions that follow.

Have you ever heard the sound of a hummingbird? They make a buzzing noise when they fly. They make the noise because they beat their wings so fast. They beat their wings up to 80 times a second. All that flapping makes a lot of noise. That's why we call them hummingbirds. ii. Hummingbirds fly in a unique way. They move their wings so fast that they can hover. This means that they can stay in one spot in the middle of the air, like a helicopter. Sometimes they fly or hover upside down. They are the only birds that can fly backwards. iii. Hummingbirds are small. One type called the bee hummingbird is the smallest bird in the world. They build tiny nests. They use cobwebs and bits of bark to make their nests. They move very fast and their favourite food is nectar. iv. Hummingbirds don't use their beaks like straws. They have a tongue just like you. They use their tongue for eating. They flick their tongues in and out while inside a flower. They lap up the nectar. Hummingbirds help flowers too. They help in the transfer of pollen from one flower to another. This helps the flowers make more seeds. More Isn't it nice how things work out?

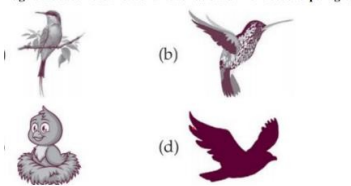
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2. Which image best describes the word hover as used in the second paragraph?



3. According to the paragraph, what does the bee humming bird use to make their nests?

a) Sticks

b) Bits of bark

c) Straw

4. How do humming birds help flowers?

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5. How do humming birds eat?

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B. GRAMMAR

1. Fill in the blanks with

Articles (a/an/the): $\frac{1}{2}$

$x8=4$

i. Ooty is __ hill station in Nilgiris.

ii. I gave him __ one-rupee coin.

iii. His brother is __ engineer but his sister is __ doctor.

iv. He is __ officer in __ army.

v. Bravo! what __ idea!

2. Use Prepositions to fill in the blanks: $\frac{1}{2} \times 8=4$

i. He was born __ the 7th day __ June __ the year 1991.

- ii. This house is made of brick.
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C. WRITING:

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(b) YOUR SCHOOL

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SCIENCE

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NOTE: Write all the activities in A4 size paper and submit in compile file.

कक्षा-सप्तमीविषय-संस्कृत

सभीकार्यअपनीसंस्कृतकी notebook मेकरनाहै 1

1 - गम्धातु, पठ्धातुरूपाणिलट्लकारे, लङ्लकारे , लोट्लकारे , लृट्लकारे विधिलिङ्लकारेलिखत 1

2 - 1-100पर्यन्तसंस्कृतसंख्यानाम्लिखन्तुस्मरन्तुच।

3_ पाठ्यपुस्तकसेकिन्ही 3 श्लोककोयादकरनाहै 1

4_ पुनरावृत्तिकरनाहैपढयेहुएपाठोका


AUTUMN BREAK HOLIDAY HOMEWORK

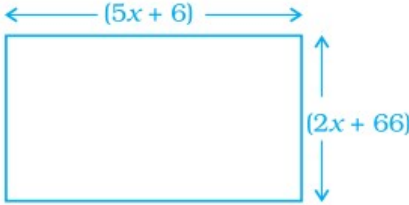
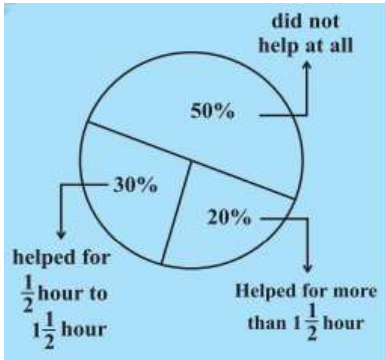
Class VIII A

I. English

1. **MDP** Write an article in 120m words on 'Global Warming'. It should have at least 4 paragraphs-Introduction, Problems and causes, Suggestions to mitigate the problem and conclusion. Word Limit 120 words. Give it a suitable title.
2. Read the lesson 'The Fight' and write a summary in 100 words

II. MATHEMATICS

1	Which of the following is not true? (a) rational numbers are closed under addition. (b) rational numbers are closed under subtraction. (c) rational numbers are closed under multiplication. (d) rational numbers are closed under division.
2	The smallest number by which 243 must be multiplied to obtain a perfect cube is a) 2 b) 3 c) 9 d) 5
3has/have all the properties of a kite and a parallelogram
4	Determine the missing value in the puzzle below: 
5	Solve: $x = \frac{4}{5} (x + 10)$

	<p>OR</p> $4t - 3 - (3t + 1) = 5t - 4$
6	<p>For what value of x is the perimeter of shape 186 cm?</p> 
7	<p>In a primary school, the parents were asked about the number of hours they spend per day in helping their children to do homework. There were 90 parents who helped for $\frac{1}{2}$ hour to $\frac{3}{2}$ hours. The distribution of parents according to the time for which, they said they helped is given in the adjoining figure ;</p>  <p>20% helped for more than $\frac{3}{2}$ hours per day; 30% helped for $\frac{1}{2}$ hour to $\frac{3}{2}$ hours; 50% did not help at all.</p> <p>Using this, answer the following:</p> <ol style="list-style-type: none"> How many parents were surveyed? How many said that they did not help? How many said that they helped for more than $\frac{3}{2}$ hours? How many said that they helped for less than $\frac{1}{2}$ hours?
8	<p>Simplify</p> <ol style="list-style-type: none"> $(3x + 2y)^2 + (3x - 2y)^2$ $ab(bc + ca)$ $pqr(p+q+r)$
9	$(1.5p + 1.2q)^2 - (1.5p - 1.2q)^2$
10	$(a - b)(a^2 + b^2 + ab) - (a + b)(a^2 + b^2 - a)$

III. हिंदी

प्रश्न 1- यदि आपका कोई अभिन्न मित्र आपसे बहुत दिन बाद मिलने आये तो आपको कैसा लगेगा? उत्तर लगभग 100 शब्दों में लिखिए।

प्रश्न 2- निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

(क) एक भारत श्रेष्ठ भारत

(ख) नई शिक्षा नीति 2020

प्रश्न 3- स्वच्छता की आवश्यकता को लेकर दो विद्यार्थियों की आपसी बातचीत को लगभग 80 शब्दों में संवाद के रूप में लिखिए।

प्रश्न 4- महाकवि सूरदास का सचित्र (चित्र सहित)

संक्षिप्त जीवन परिचय साफ़ और सुन्दर एक पूरे चार्ट पेपर पर तैयार कीजिये।

प्रश्न 5- 'भारत की खोज' पाठ्यपुस्तक से अध्याय 4 (युगों का दौर) तथा 5 (नई समस्याएँ) ठीक प्रकार से पढ़िए और प्रमुख बिन्दुओं का सारांश लिखिए।

Science

1. Define global warming.
2. What are the causes of global warming ?
3. What are the effects of global warming on India and the world as a whole?
4. What is green house effect ? Name some green house gases.
5. What are the effects of nuclear power plant on global warming?
6. Suggest solutions to global warming ?

Note :

1. Paste pictures to support the answers.
2. Use A4 sheets for the assignment.

V

Social Science

History

- Locate the famous locations of Sepoy mutiny on Indian political map.
- Explain the reasons for the development of Sepoy mutiny.

Social and Political Life/Civics

- Analyse the issues faced by the marginalized sections of Indian society.

Geography

- How industry is a backbone of a nation.

- Write a short note on various important Indian industries of our nation.

SANSKRIT


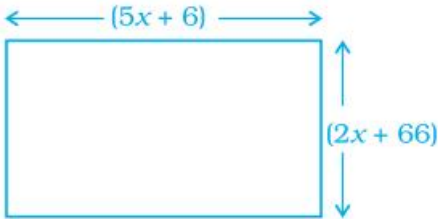
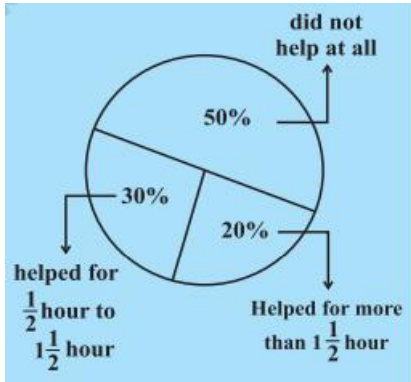
HOME WORK सभीकार्यअपनीसंस्कृतकीnotebook मेकरनाहै।

- पुनरावृत्तिसंपूर्णपाठ्यक्रम
- कक्षाकार्यपूराकरें ।
- मुनि व मातृका शब्द रूप लिखना ।
- पठ् व खाद् धातु रूप (पांचों लकारो में) लिखे
- महाकवि कालिदास का चित्र, उनकी प्रमुख रचनायोकेनामलिखे।

AUTUMN BREAK HOLIDAY HOMEWORK

CLASS: VIII B

MATHEMATICS

1	Which of the following is not true? (a) rational numbers are closed under addition. (b) rational numbers are closed under subtraction. (c) rational numbers are closed under multiplication. (d) rational numbers are closed under division.
2	The smallest number by which 243 must be multiplied to obtain a perfect cube is a) 2 b) 3 c) 9 d) 5
3has/have all the properties of a kite and a parallelogram
4	Determine the missing value in the puzzle below: 
5	Solve: $x = \frac{4}{5}(x + 10)$ OR $4t - 3 - (3t + 1) = 5t - 4$
6	For what value of x is the perimeter of shape 186 cm? 
7	In a primary school, the parents were asked about the number of hours they spend per day in helping their children to do homework. There were 90 parents who helped for 1/2 hour to 3/2 hours. The distribution of parents according to the time for which, they said they helped is given in the adjoining figure ;  20% helped for more than 3/2 hours per day; 30% helped for 1/2 hour to 3/2 hours; 50% did not help at all. Using this, answer the following: (i) How many parents were surveyed? (ii) How many said that they did not help? (iii) How many said that they helped for more than 3/2 hours?

	(IV) How many said that they helped for less than 1/2 hours?
8	Simplify (i) $(3x + 2y)^2 + (3x - 2y)^2$ (ii) $ab(bc + ca)$ (iii) $pqr(p+q+r)$
9	$(1.5p + 1.2q)^2 - (1.5p - 1.2q)^2$
10	$(a - b)(a^2 + b^2 + ab) - (a + b)(a^2 + b^2 - a)$

PM SHRI KENDRIYA VIDYALAYA KMISACANTT

HOLIDAY HOMEWORK FOR AUTUMN BREAK

CLASS: III

SUBJECT: ENGLISH

WRITING SECTION:

- You are Radha/Riddhi of class 8th. You have lost your mathematics text book in the school playground. Now write a notice giving all the necessary details to get back your book.
- Your mid-term examination is coming soon. Although your preparation for the exam is well, but still you are little afraid. Now write a DIARY entry mentioning your feelings before the ENGLISH Exam.
- Write a short paragraph on :
 - HOW WOULD YOU BRING CHANGE IN THE SOCIETY.
 - WATER CONSERVATION.

READING PASSAGE-1:

Andrew Fang is a legend in bowling. He was voted Sportsman of the Year in 2000. Andrew is only 23. He started bowling when he was nine, picking up the sport from his parents. "When I was just starting out, my family supported me by paying for my training and equipment," says the Arts undergraduate whose major is economics. Competition or not, Andrew has no problem keeping fit. "I like biking. Rain or shine, you'll find me on my mountain bike cycling for at least two hours at Bukit Timah, four times a week. It takes my mind off problems and troubles," says Andrew. Rest and recreation are as important as exercise. "I love sleeping," Andrew says. "When I'm preparing for tournaments, I usually sleep eight to nine hours a day." He also likes playing pool, reading a good novel or watching a show with his friends. When it comes to food, Andrew says he takes everything in moderation and stays away from fried and fatty food. He takes in more protein than the average person and tries to drink as much water as he can to prevent dehydration since he cycles so much. Because of his discipline, Andrew's working relationship with his coach has been very smooth. Andrew's priority, however, is education. "Getting my degree is my biggest wish now. After that, I can concentrate fully on professional bowling," Andrew states firmly.

Questions

- Andrew Fang is introduced to bowling by his _
 - parents
 - friends
 - coach
 - teacher
- What does Andrew do when he is stressed?
 - He goes bowling.
 - He climbs up Bukit Timah Hill.
 - He eats fried and fatty food.
 - He goes cycling on his mountain bike.

3. How does Andrew prepare himself for tournaments?
- He cycles for two hours every day.
 - He sleeps at least eight hours a day.
 - He plays pool and reads a good novel.
 - He takes in less protein and drinks more water.
4. Which one of the following is most important to Andrew now? It is to
- be a professional bowler graduate from university
 - be voted as Sportsman of the Year
 - pay his parents for his training and the equipment
5. "Andrew Fang is a legend in bowling" means that
- He has written a book on bowling
 - He is very disciplined and co-operates with his coach.
 - His achievements in sports must be remarkable.
 - His interest in bowling lasted for fourteen years.

READING PASSAGE-2:

Valley of Flowers is a national park in Uttarakhand, India. Nestled in the Western Himalayas, the valley is located at an altitude of 3,600 meters above sea level and is famous for charming meadows of alpine flowers. Myriad alpine flowers stretched across 87.5 sq km. make this place a colourful paradise. The beautiful valley is also a world heritage site with its pristine beauty and mystical surroundings attracting nature lovers, photographers and botanists. Valley of Flowers is bifurcated by Pushpawati River. The locals believe that the valley was once inhabited by fairies. It is one of the famous trekking destinations in India. One cannot stay at the Valley of Flowers, therefore, Ghangaria, the base camp for the trek to the Valley of Flowers, remains an ideal place to relax and sleep.

The Valley of Flowers is a 3-km climb from Ghangaria. The Brahmakamal, the Blue Poppy and the Cobra Lily are some flowers that bloom in the valley. The Himalayan Balsam is the most predominant flower of the valley. The valley is covered with snow for most of the year. The valley opens on 1st June every year for visitors. There are huge glaciers in the Valley of Flowers in June. At this time, snow starts melting and the seeds of the last year's plants start germinating. By July, all the flowers are in full bloom. One can find the maximum number of flowers until mid-August. Snowfall starts in October, and the valley is closed officially for public.

ANSWER THE FOLLOWING QUESTIONS:

Question 1. Where is the Valley of Flowers located?

Question 2. Based on your reading of the passage, complete the following sentences.

- The Valley of Flowers is stretched across
- The valley attracts

Question 3. Name some flowers found in the valley and the best time to visit the place.

Question 4. Why do visitors have to stay in Ghangaria?

Question 5. Find words from the passage that mean

- unspoiled
- fascinating
- growing
- elevation

GRAMMAR:

A.

1. Mt Abu is about five thousand feet.....the sea-level.

- above
- along
- after
- behind

e) **2.I got your parcel.... Tuesday.**

- a) since
- b) for
- c) to
- d) on

3. You have made all preparations.....the marriage.

- a) to
- b) for
- c) of
- d) on

4. His birthday is..... next Sunday.

- a) in
- at
- b) on
- c) for

5. He fell the tree.....an axe.

- a) by
- b) of
- c) on
- d) with

B.

1. The Council _____ made its decision.

- A have
- B have had
- C has
- D having

2. Which tense is used to express general truths and facts?

- A Present continuous tense
- B Present perfect tense
- C Past perfect tense
- D Present indefinite tense.

3. I _____ this book since morning.

- A had been reading
- B has been reading
- C have had read
- D shall be reading

4. The news _____ not updated timely.

- A were
- B have
- C is
- D are

SOCIAL SCIENCE

1.Make a project on Global warming. What are the green house gases. What are the effects of Global warming in India and globally. What are the steps taken globally to mitigate the threat of global warming.

कक्षा- आठवीं

हिंदी

प्रश्न 1-यदि आपका कोई अभिन्न मित्र आपसे बहुत दिन बाद मिलने आये तो आपको कैसा लगेगा? उत्तर लगभग 100 शब्दों में लिखिए ।

प्रश्न 2- निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

(一) एक भारत श्रेष्ठ भारत

(二) नई शिक्षा नीति 2020

प्रश्न 3- स्वच्छता की आवश्यकता को लेकर दो विद्यार्थियों की आपसी बातचीत को लगभग 80 शब्दों में संवाद के रूप में लिखिए।

प्रश्न 4- महाकवि सूरदास का सचित्र(चित्र सहित) संक्षिप्त जीवन परिचय साफ़ और सुन्दर एक पूरे चार्ट पेपर पर तैयार कीजिये।

प्रश्न 5- 'भारत की खोज' पाठ्यपुस्तक से अध्याय 4 (युगों का दौर) तथा 5 (नई समस्याएँ) ठीक प्रकार से पढ़िए और प्रमुख बिन्दुओं का सारांश लिखिए।

Science

1. *Define global warming.*
2. *What are the causes of global warming ?*
3. *What are the effects of global warming on India and the world as a whole?*
4. *What is green house effect ? Name some green house gases.*
5. *What are the effects of nuclear power plant on global warming?*
6. *Suggest solutions to global warming ?*

Note :

1. *Paste pictures to support the answers.*
2. *Use A4 sheets for the assignment.*

SUBJECT- SANSKRIT

HOME WORK सभी कार्य अपनी संस्कृत की notebook मे करना है।

- पुनरावृत्ति संपूर्ण पाठ्यक्रम
- कक्षा कार्य पूरा करें।
- मुनि व मातृ का शब्द रूप लिखना।
- पठ् व खाद् धातु रूप (पांचों लकारों में) लिखें
- महाकवि कालिदास का चित्र, उनकी प्रमुख रचनाओं के नाम लिखें।

पी.एम.श्री केन्द्रीय विद्यालय मिसा कैंट
शरदकालीन गृहकार्य 2023-24
कक्षा- नौवी A/B
हिंदी

प्रश्न 1- निम्नलिखित प्रस्थान बिंदु के आधार पर 100 शब्दों में शीर्षक सहित एक लघुकथा लिखिए।

एक बूढ़ा किसान था। उसके चार पुत्र थे। चारों आपस में झगड़ा करते रहते थे। एक दिन किसान ने दुखी मन से सभी को बुलाया और दुखी मन से कहा, "आपस में झगड़ा नहीं करना चाहिए और तुम लोगों को मिल-जुल कर रहना चाहिए।" पर वे नहीं माने तो किसान ने एक उपाय सोचा.....।

प्रश्न 2- निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

(—) एक भारत श्रेष्ठ भारत

(二) नई शिक्षा नीति 2020

प्रश्न 3- स्वच्छता की आवश्यकता को लेकर दो विद्यार्थियों की आपसी बातचीत को लगभग 80 शब्दों में संवाद के रूप में लिखिए।

प्रश्न 4- अलंकार (अनुप्रास, यमक उपमा रूपक) के पाँच-पाँच उदाहरण लिखें और याद करें।

प्रश्न 5- अपनी कोई एक रचना (कविता/कहानी/लघुकथा/निबंध/यात्रा वृत्तान्त आदि) लिखिए।

संस्कृत

शेमुषी पुस्तिका के समस्त व्याकरण की एक तालिका बनायेंगे और निम्नलिखित बिन्दुओं को शामिल करें।

- | | | |
|------------------|---------------------|----------------|
| 1. प्रत्यय, | 2. संधि, | 3. समास, |
| 4. विलोम शब्द, | 5. पर्यायवाची शब्द, | 6. संख्यावाची, |
| 7. उपपद विभक्ति, | 8. अव्यय, | उपसर्ग, |
- समानार्थक।

SOCIAL SCIENCE

1. Make a 'Project Work on Disaster Management' which is under your Subject Enrichment Activity assessment.

TOPIC: "FLOODS IN ASSAM"

Refer Social Science Syllabus Class IX & X 2023-24 by CBSE, page-18-19

Reference Text Book: "Together, towards a safer India - part II" published by CBSE.

Book Link: https://cbseacademic.nic.in/web_material/publication/cbse/4DisasterManagementIX.pdf

- Project Work should be handwritten, minimum 10 pages in A4 size paper, properly labelled and decorated.
- Following pattern to be mentioned in details:
 - Student Details
 - Acknowledgement
 - Certificate
 - Index
 - What is Disaster?
 - Types of Disaster
 - What is Disaster Management?
 - Flood as an important disaster
 - Causes and effects of flood
 - Floods in Assam
 - Affected areas with cause and damage
 - Mitigation
 - Preparedness
 - Government actions
 - Your suggestions
 - Conclusion
 - Bibliography

Science

Make Science Lab Manual and write the following experiments.

(LIST OF EXPERIMENTS)

Unit - I

1. Preparation of:

- a true solution of common salt, sugar and alum
- a suspension of soil, chalk powder and fine sand in water
- a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
 - transparency
 - filtration criterion
 - stability

2. Preparation of

Unit - I

- A mixture
- A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

- appearance, i.e., homogeneity and heterogeneity
- behaviour towards a magnet
- behaviour towards carbon disulphide as a solvent
- effect of heat

3. Perform the following reactions and classify them as physical or chemical changes: **Unit-I**

- Iron with copper sulphate solution in water
- Burning of magnesium ribbon in air
- Zinc with dilute sulphuric acid
- Heating of copper sulphate crystals
- Sodium sulphate with barium chloride in the form of their solutions in water

4. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. **Unit-II**

5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams. **Unit-II**

6. Determination of the melting point of ice and the boiling point of water. **Unit-I**

7. Verification of the Laws of reflection of sound. **Unit-III**

8. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. **Unit-III**

9. Establishing the relation between the loss in weight of a solid when fully immersed in **Unit-III**

- Tap water
- Strongly salty water with the weight of water displaced by it by taking at least two different solids.

10. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring). **Unit-III**

11. Verification of the law of conservation of mass in a chemical reaction. **Unit-III**

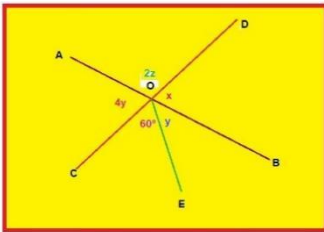
SUBJECT: ENGLISH

- 1) ART INTEGRATED PROJECT COLLABORATED WITH ANY OF THE CHAPTER TAUGHT TILL NOW.
- 2) LISTENING AND SPEAKING PROJECT WITH PAIR OF TWO IN CD.

SUBJECT: MATHEMATICS CLAS: IX (2023-24)

- 1) Complete your notebook and homework copy..
- 2) Write and learn formulae and theorems of the chapters Lines and Angles, Triangles, Quadrilaterals and Circles.
- 3) Case Study:1

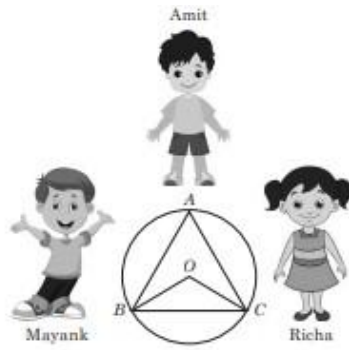
Maths teacher draws a straight line AB shown on the blackboard as per the following figure.



- (i) Now he told Raju to draw another line CD as in the figure
- (ii) The teacher told Ajay to mark $\angle AOD$ as $2z$
- (iii) Suraj was told to mark $\angle AOC$ as $4y$
- (iv) Clive Made and angle $\angle COE = 60^\circ$
- (v) Peter marked $\angle BOE$ and $\angle BOD$ as y and x respectively

Now answer the following questions:

- A. What is the value of x ?
 - (a) 48°
 - (b) 96°
 - (c) 100°
 - (d) 120°
 - B. What is the value of y ?
 - (a) 48°
 - (b) 96°
 - (c) 100°
 - (d) 24°
 - C. What is the value of z ?
 - (a) 48°
 - (b) 96°
 - (c) 42°
 - (d) 120°
 - D. What should be the value of $x + 2z$?
 - (a) 148°
 - (b) 360°
 - (c) 180°
 - (d) 120°
 - E. What is the relation between y and z ?
 - (e) $2y + z = 90^\circ$
 - (f) $2y + z = 180^\circ$
 - (g) $4y + 2z = 120^\circ$
 - (h) $y = 2z$
- 4) **Case Study 2:** Three friends Amit, Mayank, and Richa were playing with the ball by standing in a circle at A, B, and C points respectively. Richa throws a ball to Amit, Amit to Mayank, and Mayank to Richa. They all are equidistant from each other as shown in the figure



Considering O as the center of the circle, answer the following questions

- A.** Which type of $\triangle ABC$ is given in figure?
 (a) Right angled triangle
 (b) Equilateral triangle
 (c) Isosceles triangle
 (d) Scalene triangle
- B.** Measure of $\angle ABC$ is
 (a) 45° (b) 60°
 (c) 30° (d) 90°
- C.** If $AB = 6$ cm, then $BC + CA$ is equal to
 (a) 12 cm (b) 14 cm
 (c) 15 cm (d) 18 cm
- D.** Measure of $\angle BOC$ is
 (a) 90° (b) 100° (c) 120° (d) 150°
- E.** Value of $\angle OBC + \angle OCB$ is
 (a) 30° (b) 45° (c) 90° (d) 60°

5) Assertion: there can be infinite numbers of equal chords of a circle.

Reason: A circle has only finite number of equal chords.

- (a) both Assertion and reason are correct and reason is correct explanation for Assertion
 (b) both Assertion and reason are correct but reason is not correct explanation for Assertion
 (c) Assertion is correct but reason is false
 (d) both Assertion and reason are false

6) Assertion: sector is a region of a circle between the arc and the two radii of the circle.

Reason: Sector is the region between the chord and its corresponding arc.

- (a) both Assertion and reason are correct and reason is correct explanation for Assertion
 (b) both Assertion and reason are correct but reason is not correct explanation for Assertion
 (c) Assertion is correct but reason is false
 (d) both Assertion and reason are false

7) Assertion: With a given centre and a given radius, only one circle can be drawn.

Reason: Because circles have only one parameter

- (a) both Assertion and reason are correct and reason is correct explanation for Assertion
 (b) both Assertion and reason are correct but reason is not correct explanation for Assertion
 (c) Assertion is correct but reason is false
 (d) both Assertion and reason are false

8) Assertion: Two diameters of a circle will necessarily intersect.

Reason: diameters will always intersect each other at the centre of the circle.

- (a) both Assertion and reason are correct and reason is correct explanation for Assertion
 (b) both Assertion and reason are correct but reason is not correct explanation for Assertion
 (c) Assertion is correct but reason is false
 (d) both Assertion and reason are false

MATHS Art Integrated Project

Topic: Tessellation.

Maths Activities

Activity 22: To verify that the angle subtended by an arc of a circle at the centre is double the angle subtended by it at any point on the remaining part of the circle.

पी.एम.श्री केन्द्रीय विद्यालय मिसा कैंट
शरदकालीन गृहकार्य 2023-24
कक्षा- दसवीं A
हिंदी

प्रश्न 1- लड़कियों की घटती संख्या के बारे में जागरूकता फैलाने के लिए 25 से 50 शब्दों में एक विज्ञापन लिखिए।

प्रश्न 2- निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

(1) आजादी का अमृत महोत्सव

(2) नई शिक्षा नीति 2020

प्रश्न 3- अपना स्ववृत्त लिखिए।

प्रश्न 4- अलंकार (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण) के पाँच-पाँच उदाहरण लिखें और याद करें।

प्रश्न 5- अपनी कोई एक रचना (कविता/कहानी/लघुकथा/निबंध/यात्रा वृत्तान्त आदि) लिखिए।

ENGLISH

1. Write a letter to the Editor of 'The Hindustan Times', New Delhi about the incidents of violence taking place with the aged living alone at home, drawing the attention of the authorities towards the problem.
2. Your school won an award for maintaining cleanliness in and around your school. The whole school worked towards it with dedication. Write a letter to the editor of a newspaper mentioning the steps that your school took to create awareness of cleanliness. You are School Captain, Shan Sharma, Government Senior Secondary School, New Delhi.

1. Complete the following paragraph with the help of given options. Write your answers in your answer sheet against the correct blank numbers. Don't copy the whole passage.

I had a very frustrating time last week. I (a) _____ Lucknow. Due to dense fog, (b) _____. I was anxious that I would miss the flight but on reaching the airport, I learned that (c) _____ by two hours. Finally, I had to miss the conference. I (d) _____ option.

- a. (i) have to board a flight to (ii) had to boarding a flight in (iii) have to boarding a flight to (iv) had to board a flight to
- b. (i) the taxi reported late (ii) the taxi reports late (iii) a taxi reported later (iv) a taxi will be late
- c. (i) the departure had been delayed by (ii) the departure had been delayed to (iii) the depart has been delayed by (iv) the departing had been delayed.
- d. (i) could no (ii) had no other (iii) should have (iv) have no

2. Complete the following conversation with the help of given options. Write your answers in your answer sheet against the correct blank numbers:

Manu: I am really thrilled about our trip to South India. I have heard it has some wonderful beaches. I don't know (a) _____ when I find myself standing before the sea.

Arun: Yes, it is a wonderful experience to see the vast waves rising and striking the beach

Manu : Tell me, (b) _____ Goa?

Arun: We shall reach in two days. Do you know (c) _____ since it's your first trip?

Manu: Actually, I had come to ask you that.

Arun: (Also take your ATM card as you (d) _____)

- a. (i) what to do (ii) how I shall feel (iii) what I will do (iv) what will I do
- b. (i) when we shall reach (ii) when we will reach (iii) when shall we reach (iv) when will we reach
- c. (i) where will you go (ii) what will you do (iii) what to carry (iv) what you will carry
- d. (i) will need it (ii) can't need (iii) may need it (iv) may not need it

Read the passage given below.

It is an indisputable fact that the world has gone too far with the innovation of new technologies such as mobile phones, the internet and so on, due to which people are able to tour the cosmos virtually sitting at one place using their smart devices or other technological gadgets. Though mobile internet access is often times hurried and short, it can still provide common internet features like alerts, other data, emails, search engines, instant messages, and game and music downloading.

Due to the easy access to smartphones, communication has been very effective and instant. People are able to convey their message all around the globe to their loved ones without spending hefty sums of money. Adults

are always fond of such gadgets and they always welcome and adopt such new technology readily. Further, young people have been able to broaden their minds and improve their skills by doing research on the Internet. For instance, they use smartphones to look up any new word they come across. As we know that most of the universities have online teaching provision and smartphones assist the students to complete their assignments on time.

The mobile phone has been a lifesaver for a lot of people in case of an emergency. Likewise, the use of smartphones can be of vital importance in preventing crimes in the society by providing information to the security forces in time.

Nonetheless, for the young, the use of a mobile phone can be like an addiction and they can misuse it. Young people are also prone to getting involved in undesirable activities on the Internet. This might have an adverse effect on their academic performance. Therefore, young people should always be monitored and made aware of their bad outcomes.

Also, a major contributor to its popularity is the availability of prepaid or pay as you go services from a phone shop or an online store. This allows subscribers to load text or airtime credits to their handsets by the use of their credit cards, debit cards or by buying a prepaid card from the network they subscribe to. This plan also doesn't commit a particular customer to a contract. If prepaid card is not that appealing to you, then you can opt to subscribe using the pay by month plan.

a. On the basis of your reading of the passage, answer any four of the following questions in 30-40 words each : (2 x 4 =8)

- i. Give an appropriate title to this passage.
- ii. How are smartphones helpful in communication?
- iii. What are the benefits of mobile phones for the young generation?
- iv. How can mobile phones be considered lifesavers?
- v. Mention a demerit of mobile phones.
- vi. How is a prepaid card useful to mobile phone users?

b. On the basis of your reading of the passage, answer any four of the following : (1 x 4 = 4)

I. In para 1, synonym of 'innovation' is _____.

- i. production
- ii. sincerity
- iii. invention
- iv. prevention

II. Mobile internet can provide access to:

- i. telegram
- ii. email
- iii. schools
- iv. university

II. Grown-ups should _____ the use of new technology by the young people

- i. reject
- ii. criticize
- iii. monitor
- iv. accept

II. Meaning of the word **adverse** in para 4 is:

- i. positive
- ii. unguided
- iii. admirable
- iv. negative

II. According to the passage, one can opt for _____ plan if the prepaid plan doesn't suit

- i. yearly
- ii. weekly
- iii. monthly
- iv. daily

II. Meaning of word **undebatable** in para1 is

- i. effective
- ii. provision
- iii. indisputable
- iv. virtually

1) **Write and learn all the formulae and theorems of chapters; Triangles, Circles, Areas Related to Circles and Introduction to Trigonometry.**

2)

If $\sin \theta = \cos \theta$, find the value of θ .

3)

If $\operatorname{cosec} \theta + \cot \theta = x$, find the value of $\operatorname{cosec} \theta - \cot \theta$.

4)

If $\sin (A - B) = 1/2$, $\cos (A+B) = 1/2$, find A and B.

5)

Evaluate: $\sin 60^\circ \cos 30^\circ + \sin 30^\circ \cos 60^\circ$.

6)

Evaluate: $4\sin^2 60^\circ + 3\tan^2 30^\circ - 8\sin 45^\circ \cos 45^\circ$.

7)

If PA and PB are tangents from a point P lying outside the circle such that PA = 10 cm and $\angle APB = 60^\circ$. Find length of chord AB.

8)

A tangent PQ is drawn from an external point Q, meets the circle at a point P, the radius of the circle is 5 cm meets a line through the centre O to the point Q, so that OQ = 13cm. Find the length of PQ.

9)

In $\triangle OPQ$, right-angled at P, OP = 7 cm and OQ - PQ = 1 cm, then the values of $\sin Q$.

10)

If $\sin \theta = \frac{4}{5}$, find the value of $\frac{\sin \theta \tan \theta - 1}{2 \tan^2 \theta}$.

11) MATHEMATICS ACTIVITY

ACTIVITY 2: ARITHMETIC PROGRESSION -1

ACTIVITY 3 : ARITHMETIC PROGRESSION -2

ACTIVITY 4 : BASIC PROPORTIONALITY THEOREM

ACTIVITY 5: TANGENT TO CIRCLE

ACTIVITY 6 : SURFACE AREA AND VOLUME

AUTUMN BREAK HOMEWORK
CLASS – X

Make Science Lab Manual and write the following experiments.

LIST OF EXPERIMENTS

1. A. Finding the pH of the following samples by using pH paper/universal indicator: **Unit-I**
 - (i) Dilute Hydrochloric Acid
 - (ii) Dilute NaOH solution
 - (iii) Dilute Ethanoic Acid solution
 - (iv) Lemon juice
 - (v) Water
 - (vi) Dilute Hydrogen Carbonate solution

B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

Unit-I

 - a) Litmus solution (Blue/Red)
 - b) Zinc metal
 - c) Solid sodium carbonate
2. Performing and observing the following reactions and classifying them into: **Unit-I**
 - A. Combination reaction
 - B. Decomposition reaction
 - C. Displacement reaction
 - D. Double displacement reaction
 - (i) Action of water on quicklime
 - (ii) Action of heat on ferrous sulphate crystals
 - (iii) Iron nails kept in copper sulphate solution
 - (iv) Reaction between sodium sulphate and barium chloride solutions
3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: **Unit-I**
 - i) $\text{ZnSO}_4(\text{aq})$
 - ii) $\text{FeSO}_4(\text{aq})$
 - iii) $\text{CuSO}_4(\text{aq})$
 - iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. **Unit-IV**
5. Determination of the equivalent resistance of two resistors when connected in series and parallel. **Unit-IV**
6. Preparing a temporary mount of a leaf peel to show stomata. **Unit- II**

7. Experimentally show that carbon dioxide is given out during respiration. Unit-II
8. Study of the following properties of acetic acid (ethanoic acid): Unit- I
- i) Odour
 - ii) solubility in water
 - iii) effect on litmus
 - iv) reaction with Sodium Hydrogen Carbonate
9. Study of the comparative cleaning capacity of a sample of soap in soft and hard water. Unit- I
10. Determination of the focal length of: Unit-III
- i) Concave mirror
 - ii) Convex lens
- by obtaining the image of a distant object.
11. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. Unit - III
12. Studying (a) binary fission in *Amoeba*, and (b) budding in yeast and Hydra with the help of prepared slides. Unit-II
13. Tracing the path of the rays of light through a glass prism. Unit-III
14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean). Unit-II

Holiday homework social science

CHAPTER: The making of a global world

1. Which precious metal flowed from Europe to Asia till 15th century?
2. Which product was the main export from India to Europe through Silk route?
3. Which food item Arab traders took to Sicily?
4. Who discovered America?
5. Which precious metal enhanced the European wealth?
6. Which city is called the fabled city of gold?
7. How did smallpox make the Spanish conquest easy in the west?
8. Which food item made the difference between life and death. Explain with a suitable example.
9. Trade and cultural exchange always went hand in hand. Comment

10. what was the result of China's isolation from world trade in 18th century?

ECONOMICS (MONEY & CREDIT)

Q11: How does money solve the problem of double coincidence of wants? Explain with example of your own.

Q12: 'Business is all about solving people's problems - at a profit.' Explain how banks function like a business with respect to the above statement

Q13: How do banks mediate between those who have surplus money and those who need money?

Q14: Why do we need to expand formal sources of credit in India?

Q15: What is the basic idea behind the SHGs for the poor? Explain in your own words.

Q16: Analyse the role of credit for development.

Q17: What are some ways in which caste demonstrates itself in politics?

Q18: Define political parties and describe any four problem areas in their working that they need to face and overcome.

Q19: Describe some ways political parties around the world can be reformed to overcome the challenges they face.

Q20: Accommodation of social divisions is a crucial aspect of democracy. However, the extent of such accommodation depends on various perspectives of the people, politicians and the government. Briefly explain these factors.

AUTUMN BREAK HOLIDAY HOMEWORK

CLASS X B

English

- 1) Art integrated project collaborated with any of the chapter taught till now.
- 2) Listening and speaking project with pair of two in CD

Hindi

प्रश्न 1- लड़कियों की घटती संख्या के बारे में जागरूकता फैलाने के लिए 25 से 50 शब्दों में एक विज्ञापन लिखिए।

प्रश्न 2- निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

(—) आजादी का अमृत महोत्सव

(二) नई शिक्षा नीति 2020

प्रश्न 3- अपना स्ववृत्त लिखिए।

प्रश्न 4- अलंकार (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण) के पाँच-पाँच उदाहरण लिखें और याद करें।

प्रश्न 5- अपनी कोई एक रचना (कविता/कहानी/लघुकथा/निबंध/यात्रा वृत्तान्त आदि) लिखिए।

Maths

- 1) Complete your notebook and Activities in practical copy.
- 2) Write and learn formulae and theorems of all the completed chapters.

Section A (Assertion and Reasoning Questions)

In the following questions, A statement of assertion(A) is followed by a statement of reason(R). Mark the correct choice as:

- (A) Both A and R are true and R is the correct explanation of A.
- (B) Both A and R are true and R is NOT the correct explanation of A.
- (C) A is true but R is false.
- (D) A is false and R is true.

Select the correct option for each questions.

- 3) Assertion: The H.C.F. of two numbers is 16 and their product is 3072. Then their L.C.M. = 162.

Reason: If a and b are two positive integers, then $H.C.F. \times L.C.M. = a \times b$.

- 4) Assertion: For any two positive integers p and q, $HCF(p, q) \times LCM(p, q) = p \times q$

Reason: If the HCF of two numbers is 5 and their product is 150, then their LCM is 40.

- 5) Assertion: The 11th term of an AP is 7,9,11,13 _____ is 67

Reason: if S_n is the sum of first n terms of an AP then its nth term a_n is given

by $a_n = S_n - S_{n-1}$

- 6) Assertion: A line drawn parallel to any one side of a triangle intersects the other two sides proportionally.

Reason: Parallel lines cannot be drawn to any one side of a triangle.

- 7) Assertion: If two angles of any triangle are equal to the corresponding two angles of another triangle then the third angles are not necessarily equal.

Reason: The sum of three angles of any triangle is equal to 180° .

- 8) Assertion: Ratio in which the line $3x + 4y = 7$ divides the line segment joining the points $(1, 2)$ and $(-2, 1)$ is $3 : 5$

Reason: The coordinates of the point $P(x, y)$ which divides the line segment joining the points $A(x_1, y_1)$ and $B(x_2, y_2)$ in the ratio $m_1 : m_2$ is

$$\left(\frac{m_1x_2 + m_2x_1}{m_1 + m_2}, \frac{m_1y_2 + m_2y_1}{m_1 + m_2} \right)$$

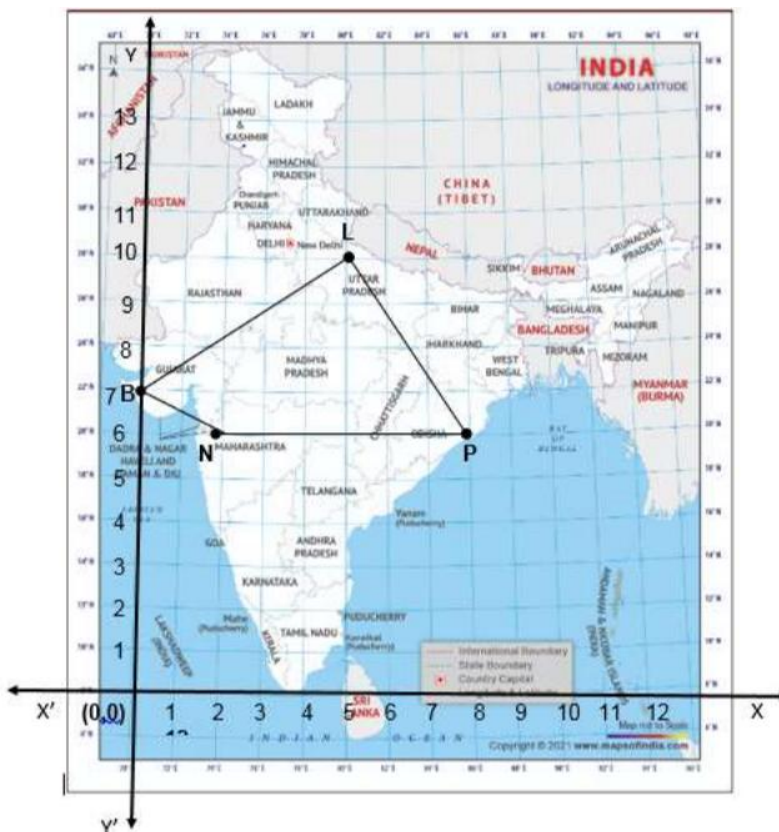
- 9) Assertion (A): If in a circle, the radius of the circle is 3 cm and distance of a point from the centre of a circle is 5 cm, then length of the tangent will be 4 cm.

Reason (R): $(\text{hypotenuse})^2 = (\text{base})^2 + (\text{height})^2$

Section B (Case Based Questions)

Case Study Question – 1

In a GPS, The lines that run east-west are known as lines of latitude, and the lines running north-south are known as lines of longitude. The latitude and the longitude of a place are its coordinates and the distance formula is used to find the distance between two places. The distance between two parallel lines is approximately 150 km. A family from Uttar Pradesh planned a round trip from Lucknow (L) to Puri (P) via Bhuj (B) and Nashik (N) as shown in the given figure below.



Based on the above information answer the following questions using the coordinate geometry.

- Find the distance between Lucknow (L) to Bhuj(B).
- If Kota (K), internally divide the line segment joining Lucknow (L) to Bhuj (B) into 3 : 2 then find the coordinate of Kota (K).
- Name the type of triangle formed by the places Lucknow (L), Nashik (N) and Puri (P)**OR**Find a place (point) on the longitude (y-axis) which is equidistant from the points Lucknow (L) and Puri (P).

Case Study Question – 2

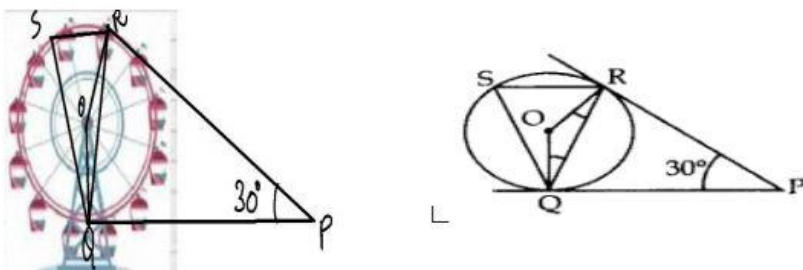
The school auditorium was to be constructed to accommodate at least 1500 people. The chairs are to be placed in concentric circular arrangement in such a way that each succeeding circular row has 10 seats more than the previous one.



- If the first circular row has 30 seats, how many seats will be there in the 10th row?
- For 1500 seats in the auditorium, how many rows need to be there?**OR**If 1500 seats are to be arranged in the auditorium, how many seats are still left to be put after 10th row?
- If there were 17 rows in the auditorium, how many seats will be there in the middle row?

CASE STUDY 3

After taking a ride in Ferris wheel, Aarti came out from the crowd and was observing her friends who were enjoying the ride . She was curious about the different angles and measures that the wheel will form. She forms the figure as given below.



1. In the given figure find $\angle ROQ$

- 60
- 100
- 150
- 90

2. Find $\angle RQP$

- 75
- 100

c) 30

4. Find $\angle ORP$

a) 90

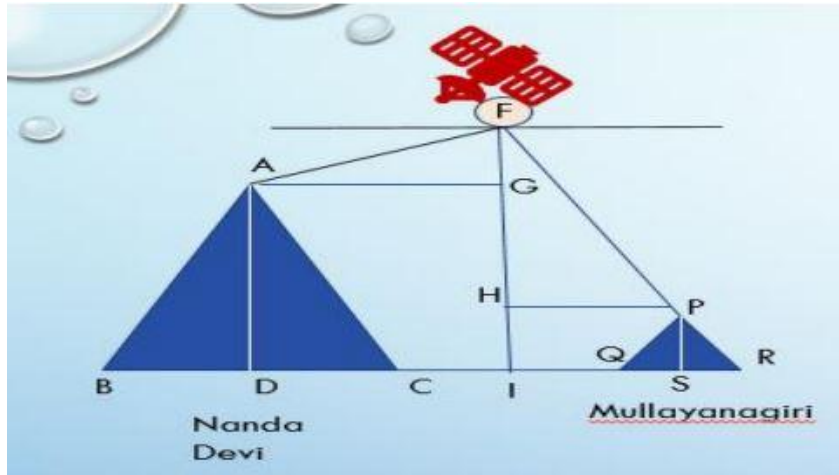
b) 70

c) 100

d) 60

CASE STUDY 4:

A Satellite flying at height h is watching the top of the two tallest mountains in Uttarakhand and Karnataka, them being Nanda Devi(height 7,816m) and



Mullayanagiri (height 1,930 m). The angles of depression from the satellite, to the top of Nanda Devi and Mullayanagiri are 30° and 60° respectively. If the distance between the peaks of the two mountains is 1937 km, and the satellite is vertically above the midpoint of the distance between the two mountains

1. The distance of the satellite from the top of Nanda Devi is

a) 1139.4 km

b) 577.52 km

c) 1937 km

d) 1025.36 km

2. The distance of the satellite from the top of Mullayanagiri is

a) 1139.4 km

b) 577.52 km

c) 1937 km

d) 1025.36 km

3. The distance of the satellite from the ground is

a) 1139.4 km

b) 577.52 km

c) 1937 km

d) 1025.36 km

4. What is the angle of elevation if a man is standing at a distance of 7816m from Nanda Devi?

a) 30°

b) 45°

c) 60°

d) 0°

5. If a mile stone very far away from, makes 45° to the top of Mullanyangiri mountain. So, find the distance of this mile stone from the mountain.

a) 1118.327 km

b) 566.976 km

c) 1937 km

d) 1025.36 km

Maths Art Integrated Project:

Topic: Tessellation.

Science

Make Science Lab Manual and write the following experiments.

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14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean). **Unit-II**

SOCIAL SCIENCE

CHAPTER: The making of a global world

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4. Who discovered America?
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Q18: Define political parties and describe any four problem areas in their working that they need to face and overcome.

Sanskrit

शेमुषी पुस्तिका के समस्त व्याकरण की एक तालिका बनाएने निम्नलिखित बिन्दुओ को सम्मिलित करना है

प्रत्यय

संधि

समास

विलोम शब्द

पर्यायवाची

संख्यावाची

उपपद विभक्ति

अव्यय

उपसर्ग

समानार्थक इत्यादि

KENDRIYA VIDYALAYA MISA CANTT.

AUTUMN BREAK HOMEWORK 2023-2024

Class: XI

English

I. English project-10 Marks

1. Students will make Xerox copies of the questionnaire that will be shared. They will interview 5 persons on the topic given in the questionnaire. The answers may be written by the students, but the signature of the interviewee should be taken at the end
2. They should be wearing their house Uniforms during the interview.
3. Please click photographs along with the interviewee
4. A report of 500 words has to be written based on your survey and the project has to be submitted by the 7th of November in the proper format having an index. Acknowledgment. Certificate and bibliography.

II-Assessment of speaking skills Marks

Students should speak about their hobby or passion and record a video of 3-4 minutes in their drive. They will share the link to the drive after the Autumn break holidays

MATHEMATICS

1. To represent set theoretic operations using Venn diagrams.
2. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent
3. To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
4. To construct different types of conic sections
5. To construct a parabola
6. To construct an ellipse with given major and minor axes.
7. To construct an ellipse when two fixed points are given.
8. To explain the concept of octants by three mutually perpendicular planes in space.
9. Complete the Practical/Activity Notebook up to activity 8 and complete the notebook up to chapter Limits and Derivatives.

Chemistry

1.
 - a) State Pauli's Exclusion principle.
 - b) Write electronic configuration and indicate the number of unpaired electrons in
(i) Cr (ii) Kr
 - c) If the position of the electron is measured within an accuracy of ± 0.002 nm, calculate the uncertainty in the momentum of the electron.
 - d) List the quantum numbers m_l and l of electrons in 3rd orbital.
 - e) Write two similarities and two differences between 1s and a 2s orbital.
 - f) Calculate the de Broglie wavelength of an electron moving with 1% of the speed of light?
 - h) What is the difference between orbit and orbital?
 - i) How many subshells are associated with $n = 4$?
 - j) How many electrons will be present in the sub-shells having m_s value of $-\frac{1}{2}$ for $n = 4$.
 - k) Which atoms are identified by the following configurations?(a) $[\text{Ne}] 3s^2 3p^3$ (b) $[\text{Ar}] 4s^1 3d^5$
 - l) Draw the shapes of (a) d_{xy} (b) d_z^2 orbitals. z
2.
 - a) Define hydrogen bond.
 - b) Name the two bonds present in oxygen molecule and compare their strength giving suitable reason.
 - c) Although geometries of ammonia and water molecules are distorted tetrahedral, bond angle in water is less than that of ammonia. Discuss.
 - d) Describe the change in hybridization (if any) of Al atom in the following reaction
 $\text{AlCl}_3 + \text{Cl}^- \rightarrow \text{AlCl}_4^-$
 - e) Write resonance structures for NO_3^-
 - f) Define lattice enthalpy.
 - g) Consider the following species: N_2 , CO , NO^+
What is common in them? Write the Lewis dot structure of CO .
 - h) What is the net dipole moment value in BF_3 molecule. Support your answer with a diagrammatic representation.
 - i) How many bond pair and lone pair of electrons in SF_4 molecule. What is its shape?
3. Differentiate between the following
 - (i) Adiabatic and isothermal process
 - (ii) Extensive and intensive properties
 - (iii) Reversible and irreversible process
4. If water vapour is assumed to be perfect gas, molar enthalpy change for vaporisation of 1 mole of water at 1 bar and 100°C is 41 kJ mol^{-1} . Calculate the internal energy change, when
 - (i) 1 mole of water is vaporised at 1 bar pressure and 100°C .
 - (ii) 1 mole of water is converted in to ice
5. Explain why
 - a. Beryllium (Be) has higher ionisation enthalpy ($\Delta_i H$) than Boron (B)
 - b. Cation is always smaller than its parent atom
 - c. Sulphur (S) has greater negative electron gain enthalpy ($\Delta_{eg} H$) than oxygen (O)
6. Dinitrogen and dihydrogen react with each other to produce ammonia according to the following chemical equation:
$$\text{N}_2 + 3 \text{H}_2 \rightarrow 2 \text{NH}_3$$

- (i) Calculate the mass of ammonia produced if $2.00 \times 10^3 \text{ g}$ dinitrogen react with $1.00 \times 10^3 \text{ g}$ of dihydrogen
(ii) Will any of the two reactants remain unreacted?
(iii) If yes, which one and what would be its mass?
7. (i) Write any two differences between molarity (M) and molality (m).
(ii) Why molality is preferred over molarity?

हिन्दी

प्रश्न 1 – वितान के पढ़ाए गए पाठ से दस बहुविकल्पीय प्रश्न तैयार कीजिए।

प्रश्न 2- अभिव्यक्ति और माध्यम के पाठ 1 और 2 से एक – एक पावर प्वाइंट (PPT) तैयार कीजिए।

प्रश्न 3 . दस दिनों की डायरी लिखकर लाएँ।

प्रश्न 4- निम्नलिखित दिए गए तीन शीर्षकों में से किसी दो शीर्षक का चयन कर लगभग 150 शब्दों में रचनात्मक लेख लिखिए।

(क) भ्रष्टाचार : एक समस्या

(ख) पर्यावरण संरक्षण : आवश्यकता एवं उपयोगी सुझाव

(ग) विज्ञान : वरदान या अभिशाप

Biology

Activity 1: Draw a flow chart of the classification of Animal Kingdom.

Activity 2: Draw a flow chart of the classification of Plant Kingdom.

Activity 3: Write the pathway of Glycolysis along with the enzymes and ATP used and gained.

Reading: Study the following topics –

- A. Cell cycle and cell division.
- B. Light Reaction and Dark Reaction of Photosynthesis.
- C. Calvin Cycle (C3) and Hatch-Slack Cycle (C4).

All the Cell Organelles present in an animal and plant cell

Computer

- Generate the following patterns using a nested loop.

Pattern-1	Pattern-2	Pattern-3
*	1 2 3 4 5	A
**	1 2 3 4	AB
***	1 2 3	ABC
****	1 2	ABCD
*****	1	ABCDE

- Determine whether a number is a perfect number, an Armstrong number, or a palindrome.
- Input a number and check if the number is a prime or composite number.
- Compute the greatest common divisor and least common multiple of two integers.
- Count and display the number of vowels, consonants, uppercase, and lowercase characters in string.
- Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
- Input a list of numbers and swap elements at the even location with the elements at the odd location.
- Input a list/tuple of elements, and search for a given element in the list/tuple.
- Input a list of numbers and find the smallest and largest number from the list.
- Create a dictionary with the roll number, name, and marks of n students in a class and display the names of students who have scored marks above 75.

CLASS – XI-B

AUTUMN BREAK HOMEWORK

(20th October to 29th October 2023)

ENGLISH

I. English project-10 Marks

1. Students will make xerox copies of the questionnaire that will be shared. They will interview 5 persons on the topic given in the questionnaire. The answers may be written by the students, but the signature of the interviewee should be taken at the end
2. They should be wearing their house Uniforms during the interview.
3. Please click photographs along with the interviewee
4. A report of 500 words has to be written based on your survey and the project has to be submitted by 7th of November in the proper format having index. Acknowledgement. Certificate and bibliography.

II. Assessment of speaking skills-5 Marks

Students should speak on their hobby or passion and record a video of 3-4 minutes in their drive. They will share the link of the drive after Autumn break holidays

MRS PALLAVI GOGOI (PGT-ENG)

शरदकालीन अवकाश गृहकार्य – 2023-24

कक्षा-ग्यारहवीं

हिन्दी

प्रश्न 1 – वितान के पढ़ाए गए पाठ से दस बहुविकल्पीय प्रश्न तैयार कीजिए।

प्रश्न 2- अभिव्यक्ति और माध्यम के पाठ 1 और 2 से एक – एक पावर प्वाइंट (PPT) तैयार कीजिए।

प्रश्न 3- दस दिनों की डायरी लिखकर लाएँ।

प्रश्न 4- निम्नलिखित दिए गए तीन शीर्षकों में से किसी दो शीर्षक का चयन कर लगभग 150 शब्दों में रचनात्मक लेख लिखिए।

(क) भ्रष्टाचार : एक समस्या

(ख) पर्यावरण संरक्षण : आवश्यकता एवं उपयोगी सुझाव

(ग) विज्ञान : वरदान या अभिशाप

MRS ANCHAL KUMARI (PGT-HINDI)

HISTORY

Q1. Describe factors affecting socio- economic change in 11th century.

Q2. How fourth order emerged in 14th century.

Q3. What is cathedral?

Q4. What is 14th century crisis? Explain.

MR AMREET (PGT-HIST)

GEOGRAPHY

1. Locate and label the following map items on outline **political maps** of the **World**:

TEXT BOOK: Fundamentals of Physical Geography

Chapter No. and Name	Map No.	Map Items
4 - Distribution of oceans and continents	Map-1	<input type="checkbox"/> Political Map of all Continents of the world.
	Map-2	<input type="checkbox"/> Major Oceans of the world: Indian Ocean, Pacific Ocean, Atlantic Ocean, Arctic Ocean, Southern Ocean <input type="checkbox"/> Major lithospheric plates and Minor lithospheric plates, Ring of fire (Pacific Ocean), Mid-Atlantic Ridge.
9 - Atmospheric Circulations and Weather Systems	Map-3	Major Hot Deserts of the world: <input type="checkbox"/> Mojave Desert- Nevada, US <input type="checkbox"/> Patagonian Desert- Argentina <input type="checkbox"/> Sahara- Africa <input type="checkbox"/> Gobi Desert- Mongolia, Asia <input type="checkbox"/> Thar desert- India <input type="checkbox"/> Great Victoria desert- Australia
12 - Water (Oceans)	Map-4	Major Seas <input type="checkbox"/> Black sea <input type="checkbox"/> Baltic sea <input type="checkbox"/> Caspian Sea <input type="checkbox"/> Mediterranean Sea <input type="checkbox"/> North Sea <input type="checkbox"/> Red sea <input type="checkbox"/> Bay of Fundy (Canada)-Famous for the highest tides in the world
13 - Movements of Ocean Water	Map-5	OCEAN CURRENTS - Cold currents <input type="checkbox"/> Humboldt c. <input type="checkbox"/> California c. <input type="checkbox"/> Falkland c. <input type="checkbox"/> Canaries c. <input type="checkbox"/> West Australian c. <input type="checkbox"/> Oyashio c. <input type="checkbox"/> Labrador c. Warm currents <input type="checkbox"/> Alaska c. <input type="checkbox"/> Brazilian c.

		<input type="checkbox"/> Aughlas c. <input type="checkbox"/> Kuroshio c. <input type="checkbox"/> Gulf stream c.
14 - Biodiversity and Conservation	Map-6	Ecological hotspots <input type="checkbox"/> Eastern Himalaya, India <input type="checkbox"/> Western Ghats, India <input type="checkbox"/> Indonesia, Asia <input type="checkbox"/> Eastern Madagascar, Africa <input type="checkbox"/> Upper Guinean forests, Africa <input type="checkbox"/> Atlantic forest, Brazil <input type="checkbox"/> Tropical Andes

2. Locate and label the following map items on outline **political maps** of the **India**:

TEXT BOOK: India Physical Environment

Chapter No. and Name	Map No.	Map Items
1 - India- Location	Map-1	<input type="checkbox"/> Latitudinal extent of India <input type="checkbox"/> Longitudinal extent of India <input type="checkbox"/> Standard Meridian of India <input type="checkbox"/> Important latitude passing through India (Tropic of Cancer) <input type="checkbox"/> Southern Most Point of main land of India (Kanya Kumari)
2 - Structure and Physiography	Map-2	<input type="checkbox"/> Mountains: Karakoram Range, Garo- Khasi- Jaintia hills, Aravalli Range, Vindhyan Range, Satpura Range, Western Ghats & Eastern Ghats <input type="checkbox"/> Peaks: K2, Kanchenjunga, Nandadevi, Nanga Parvat, Namcha Barwa and Anaimudi <input type="checkbox"/> Passes: Shipkila, Nathula, Palghat, Bhor Ghat and Thal Ghat <input type="checkbox"/> Plateaus: Malwa, Chhotanagpur, Meghalaya and Deccan Plateau. <input type="checkbox"/> Coastal Plains: Saurashtra, Konkan, North and South Kanara, Malabar, Coromandel and Northern Circars <input type="checkbox"/> Islands: Andaman & Nicobar Islands and Lakshadweep Islands
3 - Drainage System	Map-3	<input type="checkbox"/> Rivers: Brahmaputra, Indus, Satluj, Ganga, Yamuna, Chambal, Damodar Mahanadi, Krishna, Kaveri, Godavari, Narmada, Tapti and Luni <input type="checkbox"/> Lakes: Wular, Sambhar, Chilika, Kolleru, Pulicat & Vembanad <input type="checkbox"/> Straits, Bays, Gulfs: Palk Strait, Rann of Kachch, Gulf of Kachch, Gulf of Mannar & Gulf of Khambat
4 - Climate	Map-4	<input type="checkbox"/> Area with highest temperature in India <input type="checkbox"/> Area with lowest temperature in India <input type="checkbox"/> Area with highest rainfall in India <input type="checkbox"/> Area with lowest rainfall in India
5 - Natural Vegetation	Map-5	<input type="checkbox"/> Forests: Tropical evergreen, Tropical deciduous, Tropical thorn, Montane and Littoral/Swamp forests.

		<input type="checkbox"/> National Parks: Corbett, Kaziranga, Ranthambore. Shivpuri, Simlipal <input type="checkbox"/> Bird Sanctuaries: Keoladev Ghana and Ranganathitto <input type="checkbox"/> Wildlife Sanctuaries: Periyar, Rajaji, Mudumalai, Dachigam,
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MR SASHANKA DEB MANDAL (PGT-GEO)

ECONOMICS

Guidelines for Project Work in Economics (Class XI)

The objectives of the project work are to enable learners to:

Probe deeper into theoretical concepts learnt in classes XI

Analyse and evaluate real world economic scenarios using theoretical constructs and arguments

Demonstrate the learning of economic theory

Follow up aspects of economics in which learners have interest develop the communication skills to argue logically

The expectations of the project work are that:

Learners will complete only ONE project in 2023-24 academic session project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written. it will be an independent, self-directed piece of study

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:

Choose a title/topic

Collection of the research material/data

Organization of material/data

Present material/data

Analysing the material/data for conclusion

Draw the relevant conclusion

Presentation of the Project Work

Expected Checklist:

- 1) Introduction of topic/title
- 2) Identifying the causes, consequences and/or remedies
- 3) Various stakeholders and effect on each of them
- 4) Advantages and disadvantages of situations or issues identified
- 5) Short-term and long-term implications of economic strategies suggested in the course of research

6) Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file

7) Presentation and writing that is succinct and coherent in project file

8) Citation of the materials referred to, in the file in footnotes, resources section, Bibliography etc.

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. The questions should be asked from the Research Work/ Project File of the learner.

The Internal Examiner should ensure that the study submitted by the learner is his/her own original work. In case of any doubt, authenticity should be checked and verified.

MR MANOHAR SINGH (PGT-ECO)

**P M SHRI KENDRIYA VIDYALAYA MISA
CANTT
Class 12 A (Science)
Autumn Break Holiday homework (Session -2023)**

अवकाश गृहकार्य – 2023-24

कक्षा-बारहवीहिंदी

प्रश्न 1 – वितान के पढ़ाए गए पाठ से दस बहुविकल्पीय प्रश्न तैयार कीजिए।

प्रश्न 2- अभिव्यक्ति और माध्यम के पाठ 3,4, और 5 से एक – एक पावर प्वाइंट (PPT) तैयार कीजिए।

प्रश्न 3- निम्नलिखित दिए गए तीन शीर्षकों में से किसी दो शीर्षक का चयन कर लगभग 150 शब्दों में रचनात्मक लेख लिखिए।

(क) अनलाइन शिक्षा: संभावनाएँ एवं चुनौतियाँ

(ख) पर्यावरण संरक्षण : आवश्यकता एवं उपयोगी सुझाव

(ग) विज्ञान : वरदान या अभिशाप

प्रश्न 4- सीबीएसई द्वारा प्रदत्त प्रतिदर्श प्रश्नपत्र को हल की ।

ENGLISH PROJECT WORK

ENGLISH PROJECT

Title : Vendor Insights: Life on the Street

1. What is your name?
2. What is your age?
3. What product/service do you sell?
4. How long have you been engaged in this job?
5. How many hours do you typically work?
6. What motivates you to be a street side vendor?
 - a. Passion
 - b. Necessity
 - c. Income
 - d. Others (please specify)
7. How do you rate the profitability of your business ?
 - a. Very profitable
 - b. Somewhat profitable
 - c. Not very profitable
 - d. Unprofitable
8. How Has COVID-19 affected your business?
 - a. Increased sale
 - b. Decreased sale
 - c. No significant effect
9. What is the primary source consumers?
 - a. Walk-in
 - b. Local residents
 - c. Tourists
 - d. Others (please specify)
10. Would you consider switching to a different profession if given the opportunity?
 - a. Yes
 - b. No
 - c. Not sure.

Name of the interviewee:

occupation:

signature:

CHEMISTRY HOMEWORK

Write named reactions two times.

Finkelstein reaction

Swarts reaction

Sandmeyer's reaction

SN^1 reaction

SN^2 reaction

Preparation of Grignard Reagent

Wurtz Reaction

Wurtz Fittig reaction

Fittig reaction

Friedel Craft reaction (alkylation on chlorobenzene)

Friedel Craft reaction (acylation on chlorobenzene)

Lucas test Reaction (1° , 2° , 3° alcohols)

Kolbe's reaction

Reimer-Tiemann reaction

Williamson Synthesis of ethers

Friedel Craft reaction (alkylation on anisole)

Friedel Craft reaction (acylation on anisole)

Gabriel phthalimide Synthesis of amines

Hoffman bromamide degradation reaction

Carbylamine reaction (Isocyanide test)

Hinsberg's reagent test (1° , 2° and 3° amines)

Coupling reaction of diazonium salt with phenol and aniline

BIOLOGY HOMEWORK

LIST OUT THE DIFFERENT HUMAN DISEASES AND ITS CAUSATIVE AGENTS.

COMPUTER SCIENCE

1. Read a text file line by line and display each word separated by a #.
2. Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file.
3. Remove all the lines that contain the character 'a' in a file and write it to another file.
4. Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display an appropriate message.
5. Create a binary file with roll number, name, and marks. Input a roll number and update the marks.
6. Write a random number generator that generates random numbers between 1 and 6 (simulates a dice)

7. Write a Python program to implement a stack using the list.
8. Create a CSV file by entering user-id and password, and read and search the password for a given user.

Database Management

9. Create a student table and insert data. Implement the following SQL commands on the student table:
 - a. ALTER table to add new attributes / modify data type/drop attribute
 - b. UPDATE table to modify data
 - c. ORDER BY to display data in ascending/descending order
 - d. DELETE to remove tuple(s)
 - e. GROUP BY and find the min, max, sum, count and average

KENDRIYA VIDYALAYA MISA CANTT.

CLASS - XII B

GEOGRAPHY

AUTUMN BREAK HOMEWORK

1. Locate and label the following map items on outline political maps of the World:

TEXT BOOK: Fundamentals of Human Geography

Chapter No. and Name	Map No.	Map Items	
4 - Primary Activities	Map-1	Areas of subsistence gathering (Fig 4.2)	
	Map-2	Major areas of nomadic herding of the world (4.4)	
	Map-3	Major areas of commercial livestock rearing (4.6)	
	Map-4	Major areas of extensive commercial grain farming (4.12)	
	Map-5	Major areas of mixed farming of the World (4.14)	
7 - Transport, Communication and Trade	Map-6	Terminal Stations of Transcontinental Railways– Trans-Siberian, Trans Canadian, Trans-Australian Railways	
	Map-7	Major Sea Ports Europe: North Cape, London, Hamburg North America: Vancouver, San Francisco, New Orleans South America: Rio De Janeiro, Colon, Valparaiso Africa: Suez and Cape Town Asia: Yokohama, Shanghai, Hong Kong, Aden, Karachi, Kolkata	
		Map-8	Australia: Perth, Sydney, Melbourne Major Airports: Asia: Tokyo, Beijing, Mumbai, Jeddah, Aden Africa: Johannesburg & Nairobi Europe: Moscow, London, Paris, Berlin and Rome North America: Chicago, New Orleans, Mexico City South America: Buenos Aires, Santiago Australia: Darwin and Wellington
			Map-9

2. Locate and label the following map items on outline political maps of the India:

TEXT BOOK: India - People and Economy

Chapter No. and Name	Map No.	Map Items
1-Population Distribution Density Growth and Composition	Map-1	State with highest population density & state with lowest population density (2011)
3-Land Resources and Agriculture	Map-2	Leading producing states of the following crops: (a) Rice (b) Wheat (c) Cotton (d) Jute (e) Sugarcane (f) Tea and (g) Coffee
5-Mineral And Energy Resources	Map-3	Mines: Iron-ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary Manganese mines: Balaghat, Shimoga
	Map-4	Copper mines: Hazaribagh, Singhbhum, Khetri Bauxite mines: Katni, Bilaspur and Koraput
	Map-5	Coal mines: Jharia, Bokaro, Raniganj, Neyveli Oil Refineries: Mathura, Jamnager, Barauni
8-International Trade	Map-6	Major Sea Ports: Kandla, Mumbai, Marmagao, Kochi,

	Map-7	Mangalore, Tuticorin, Chennai, Vishakhapatnam, Paradwip, Haldia International Air ports: Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Guwahati, Delhi, Amritsar, Thiruvananthapuram & Hyderabad.
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English

I.English project-10 Marks

1.Students will make xerox copies of the questionnaire that will be shared. They will interview 5 persons on the topic given in the questionnaire. The answers may be written by the students, but the signature of the interviewee should be taken at the end

2. They should be wearing their house Uniforms during the interview.

3. Please click photographs along with the interviewee

4. A report of 500 words has to be written based on your survey and the project has to be submitted by 7th of November in the proper format having index. Acknowledgement. Certificate and bibliography.

II-Assessment of speaking skills-5 Marks

Students should speak on their hobby or passion and record a video of 3-4 minutes in their drive. They will share the link of the drive after Autumn break holidays

III-Everyone should read the Lesson, 'On the Face of it' and write answers of the following questions:

- Who is Mr Lamb? How does Derry get into his garden?
- Who is Derry? Why does he hate the world?
- Why does Derry find Mr Lamb interesting and different?

HISTORY

1. Various cults integrated after 8th century. Choose the correct statement .

- Dissemination of Brahmanical ideas widely.
- Puranic text composed, compiled and preserved in simple Sanskrit text.
- Puranic text were made accessible to the women and sudras.
- Brahamans accepted the beliefs and practices of other social categories.
- all of the above

2. What is the right example of integration of cults?

- Puri
- Dwarika
- konark
- none of the above

3. Nayanars were the devotees of-

- Lord Shiva
- Lord Vishnu
- Lord Brahma
- none of the above

3. Alwars were the devotees of-

- Lord Shiva
- Lord Vishnu
- Lord Brahma
- none of the above

4. Which is regarded as the Tamil Veda-

- Nalayira- Divyaprabandham
- Mani-Maikhle
- Vinay-Pitaka
- none of the above

5. Who was the devotee Vishnu(Alwars)

- Mirabai
- Karaikkal-Ammaiyar
- Andal
- none of the above

6. Who was the devotee Shiva(Naynar)

- (i) Mirabai (ii) Karaikkal-Ammaiyar
(iii) Andal (iv) none of the above

7. Who patronize the Bhakti-traditions

- (i) Cholas (ii) Pallavas
(iii) Pandayas (iv) none of the above

8. Choose the correct statement-

- (i) Cholas supported the bhakti traditions (ii) Cholas gave land grants to the Alvars and Nayanars
(iii) Cholas made temples of Vishnu and shiva (iv) none of the above

9. By whom Brahdeswar- temple was constructed?

- (i) Rajaraja-I (ii) Rajendra-I
(iii) Prantaka-I (iv) none of the above

10. By whom Gangaikondcholpuram-temple was constructed?

- (i) Rajaraja-I (ii) Rajendra-I
(iii) Prantaka-I (iv) none of the above

11. The 12th century witnessed the emergence of a movement in Karnataka, which was led by-

- (i) Appar (ii) Sabandar
(iii) Basavanna (iv) none of the above

12. Basavanna was the minister in the court of which rulers?

- (i) Chola rulers (ii) Kalachuri rulers
(iii) Pandayas (iv) none of the above

13. Basavannas followers were known as-

- (i) Alvars (ii) Nayanars
(iii) Lingayat(Virashaivas) (iv) none of the above

14. Who established the Chishti-silsila?

- (i) Nizamuddin Aulia (ii) Baba Farid
(iii) Khwaja Muinuddin (iv) none of the above

15. Where did Khwaja Muinudin established the Chishti-silsila?

- (i) Jaipur (ii) Ajmer
(iii) Jodhpur (iv) none of the above

16. Padmavat was wrote by the author-

- (i) Malik Muhammad Jayasi (ii) Baba Farid
(iii) Khwaja Muinuddin (iv) none of the above

17. Who compiled the holy book (sacred book) "Adi Granth Sahib"?

- (i) Guru nanak (ii) Guru Ramrai
(iii) Guru Arjun Dev (iv) Guru Gobind Singh

18. Verses ascribed to Kabir have been compiled in-

- (i) Bijak (ii) Kabir Granthavali
(iii) Adi Granth Sahib (iv) Guru Gobind Singh

19. Choose the correct statement about Guru Kabir.

- (i) Vaishnava tradition suggest that he was born in a Hindu family.
(ii) He was raised by a Muslim (julaha) family.
(iii) Kabir's poem have survived in several languages/dialects of nirguna poets(sant bhasha and ulatbanshi)
(iv) Kabir believed in Nirguna-Bhakti
(v) All are correct

20. Choose the correct statement about Guru nanak.

- (i) Born in a Hindu merchant family.
(ii) Kabir believed in Nirguna-Bhakti.
(iii) He expressed his ideas through hymns called "shabad".
(iv) All are correct

21. Choose the correct statement about Guru Mirabai

- (i) She was a rajput princess from Merta of Marwar.
(ii) She was married against her wishes to a prince of sisodia clan of Mewar.
(iii) She believed in Saguna-Bhakti. She recognized Krishna as her lover.
(iv) All are correct

SHORT/LONG QUESTIONS

1. Describe Be-Shari'a and Ba-Shari'a.
2. Describe Sufi -silsila.
3. Describe the condition of an average peasant of North India during the 17th century.
4. Describe various types of peasants in the 17th century.
5. What was Jati-Panchayat? Why it was formed? Explain their function and authority
6. 'Ain-I Akbari' is the extraordinary document of its time. Explain.

हिंदी

प्रश्न 1 – वितान के पढ़ाए गए पाठ से दस बहुविकल्पीय प्रश्न तैयार कीजिए।

प्रश्न 2- अभिव्यक्ति और माध्यम के पाठ 3,4, और 5 से एक – एक पावर प्वाइंट (PPT) तैयार कीजिए।

प्रश्न 3- निम्नलिखित दिए गए तीन शीर्षकों में से किसी दो शीर्षक का चयन कर लगभग 150 शब्दों में रचनात्मक लेख लिखिए।

(क) अनलाइन शिक्षा: संभावनाएँ एवं चुनौतियाँ

(ख) पर्यावरण संरक्षण : आवश्यकता एवं उपयोगी सुझाव

(ग) विज्ञान : वरदान या अभिशाप

प्रश्न 4– सीबीएसई द्वारा प्रदत्त प्रतिदर्श प्रश्नपत्र को हल कीजिए ।

ECONOMICS

Q1. Identify the result of the large export surplus during the colonial period.

- A. domestic markets flooded with raw materials
- B. an increase in gold and silver reserves
- C. scarcity of essential commodities
- D. cheap imported consumer goods

Q2. Identify the classification that falls outside the purview of the Industrial Policy Resolution, of 1956. (Choose the correct alternative)

- A. public-private industrial partnership
- B. multinational corporations
- C. public sector industries
- D. privately owned

Q3. Identify an argument that supports the agricultural subsidies in India.

(Or, Choose a justification that supports India's agricultural subsidies.)

- A. reduces the gap between the rich and poor farmers

B. reduces government spending on agriculture

C. unpopularity of the HYV seeds

D. supports fertiliser industries

Q 4. Under the Great Leap Forward (GLF) campaign in China initiated in 1958,

people were encouraged to set up industries in their backyards.

Identify the primary goods these backyard industries would have produced.

A. perishable food items

B. small car parts

C. plastic toys

D. textiles

Q5. Identify the developmental initiatives oriented by Pakistan during the 1970s and

80s that helped the country in stimulating economic growth.

A. agrarian reforms

B. de-nationalisation

C. import substitution

D. investment in education and health

Q6. Kavitha, a farmer in rural India, is a recipient of a government scheme named

_____ . This scheme helps her set up a bank account and provides

insurance, overdraft and other social security benefits.

A. Sansad Adarsh Gram Yojana

B. Jan-Dhan Yojana

C. Kudumbashree

D. NABARD

Q7 " In 1994, Maulik worked in an automotive manufacturing company owned by

the government of India. It was soon to be disinvested and privatized by the government. As a result, Maulik planned for a job shift and explored other sectors that could guarantee him greater growth in the future."

In light of the nation's political and economic situation at the time, which of the

following professions would have fulfilled his expectations?

A. mining

B. tourism

- C. textile industry
- D. information technology

Q8 There are two statements given below, marked as Assertion (A) and Reason

(R). Read the statements and choose the correct option.

Statement(1): The ratio of employed women in urban areas is generally lower than that of employed women in rural areas.

Statement(2): There are a higher number of low-income employment opportunities available in rural areas than in urban areas.

- A. Statement 1 is true and Statement 2 is false.
- B. Statement 1 is false and Statement 2 is true.
- C. Both statements 1 and 2 are true
- D. Both statements 1 and 2 are false

Q.9 There are two statements given below, marked as Statement (1) and Statement

(R). Read the statements and choose the correct option.

Statement (1): Both India and China initiated industrial reforms with the creation of agricultural communes.

Statement (2): Both countries are primarily agrarian in nature with all sectors depending on the primary one.

- A. Statement 1 is true and Statement 2 is false.
- B. Statement 1 is false and Statement 2 is true.
- C. Both statements 1 and 2 are true
- D. Both statements 1 and 2 are false

Q.10 Resources are becoming extinct as degradation surpasses the _____ capacity of the environment. (Choose the correct alternative)

- A. carrying
- B. absorptive
- C. assimilation
- D. regeneration

Q11 United Nations General Assembly has enlisted a list of 17 Sustainable Development Goals (SDGs) to be achieved by 2030. Accordingly, SDG 7 is to "Ensure that everyone has access to enough, trustworthy, sustainable, and

modern energy."

_____ does not constitute a step toward achieving SDG 7.

- A. CNG
- B. solar energy
- C. thermal power
- D. mini-hydel plants

Q.12 There are two statements given below, marked as Statement (1) and Statement (2). Read the statements and choose the correct option.

Statement(1): Air India, a fully owned Public Sector Undertaking (PSU) was disinvested and sold to a private entity.

Statement(2): Public Sector Undertakings (PSU) are sold to create more direct and/or indirect employment opportunities in the country.

- A. Statement 1 is true and Statement 2 is false.
- B. Statement 1 is false and Statement 2 is true.
- C. Both statements 1 and 2 are true
- D. Both statements 1 and 2 are false

Q.13 There are two statements given below, marked as Statement (1) and Statement (2). Read the statements and choose the correct option.

Statement (1): The contribution of the industrial sector to the GVA in India and Pakistan is much lower than that of China.

Statement (2): India and Pakistan are directly moving from agriculture to services.

- A. Statement 1 is true and Statement 2 is false.
- B. Statement 1 is false and Statement 2 is true.
- C. Both statements 1 and 2 are true
- D. Both statements 1 and 2 are false

Q.14 (a) Define sustainable development.

(b) Everyone has a moral obligation to promote sustainable development.

Do you agree with the given statement? Justify your answer with a valid argument.

Q15. Amazon has been outsourcing to various customer support companies in India

to accommodate more local and international buyers and sellers.

In light of the above statement, how has the process of globalisation impacted the Indian economy?

Q16. Suppose you are a small farmer in rural India. State any three challenges you are likely to face while shifting to organic farming.

Q17. Given below are some statistics related to India, China and Pakistan.

Country	Population (millions)	Fertility rate	Urbanisation (%)
India	1352	2.2	34
China	1393	1.7	59
Pakistan	212	3.6	37

Compare and contrast China's demographic statistics with its neighbours.

Q.18 “The world has experienced two primary types of economic systems along with a hybrid one” Elaborate on the given statement.

Q19. Briefly describe why the government had to intervene in the implementation of the Green Revolution, and the various steps it took to protect small farmers.

Q.20 Why should migration and social medicine be viewed as investments in human capital? Justify with reasons. 4

Q.21 'Kudumbashree' is a woman-oriented community-based poverty reduction programme being implemented in Kerala. In 1995, a thrift and credit society was started as a small savings bank for poor women with the objective to encourage savings. The thrift and credit society mobilised ₹1 crore as thrift savings. These societies have been acclaimed as the largest informal banks in Asia in terms of participation and savings mobilised.

Source: www.kudumbashree.com, NCERT

Based on this passage,

- Discuss the role of Self-Help Groups (SHGs) in meeting the credit requirements of the poor.
- List some of the drawbacks of such micro-credit programmes.