Q1. Practice at least five UNSEEN PASSAGES and write the following in your notebook.

a.   Name of the passage you read.

b.   Questions and answers of the Grammar questions of these passages.

Q2. Prepare a MIND MAP of the chapter 'Julius Ceasar' OR The Rime of the Ancient mariner"

In an A4 size paper.

Q3. Recite the poem "SNAKE" and make an AUDIO recording of it.

Q4. Make an AIP (ART INTEGRATED PROJECT) of the poem "Ozymandias" . (A4 SIZE PAPER)

Q5. Prepare a PPT on any lesson you like. (PROSE/POETRY)

Q6. How does the story 'Two Gentlemen of Verona' promise hope for society ? Elaborate citing examples from the story.

Rearrange the following words in their right order.

1. It/ is / not /easy too/ play /a musical instrument / as /it /requires /great skill /and /dedication.

2. After /the /storm/ the / sky/ cleared /up/ revealing a / breathtaking/ sunset/ over / the/ horizon.

3. The / scientist/ conducted /a/ series/ of/ experiments /to /test/ the /hypothesis/ and/ gather/ meaningful /data.

4. In/ the/ ancient/ city/ the /ruins/ of /an/ old /temple/stood /as a/ testament/ to/ its/ rich/ history.

5. The /detective/ carefully/examined/ the/ crime /scene/collecting/ evidence/to/ unravel/ the/ mystery.

6. The /athletes/ trained/ rigorously/ for/ months/ to /prepare/ for/ the/ upcoming / championship.

7. The/ art/ gallery/ showcased / a /diverse/ collection/ of /paintings /sculptures/and / other/ forms /of /artistic /expression.

8. With/ a /sudden /burst /of /energy/the/team /scored /three /consecutive /goals/securing/ their /victory.

9. The /chef/ skillfully/combined /various /ingredients/ to/ create/a /unique/ and / flavourful/ dish.

10. Despite/ facing/ numerous /challenges/ the /team /persevered/ and /emerged/ victorious/ in/ the/ end.

EDITING EXERCISES

1.Read the following passage and encircle the incorrect words, then re-write the sentences correctly.

The Egyptian civilization were the first for make paper from Papyrus. The Papyrus material were a thick paper witch was used to write on during ancient times. Previously, this plants grew abundantly over the Nile Delta. The papyrus was also use to make hats, reed mats, etc.

2. The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number.

Passage	Incorrect	Correct
Facebook, with more then 1 Billion users		
Is celebrated its 10th birthday this year.		
The company was launching by Mark		
Zuckerberg at 4th February 2004. The site was		
Conceived in a Harvard dorm in a way		
To connect student and let them build an		
Identity for himself online		

CREATIVE WRITING CORNER

Q1. Write a self composed poem using the following elements as inputs.

(Sky, birds, river, forest, a village girl, sunrise, butterflies)

 OR

You can write on any one of these.

(IN A STICK FILE)

(DO THE HOMEWORK IN YOUR H.W NOTEBOOK.)

पीएम श्री केन्द्रीय विद्यालय बलांगीर

शरदकालीन अवकाशीय-गृहकार्याणि

(कक्षा- दशमी) संस्कृतम्

1. त्रीणि पत्राणि, त्रीणि चित्रवर्णनानि, त्रयः संवादाः च लिखत।

2. 'साधुवृत्तिं समाचरेत्' पाठस्य अभ्यासं कुरुत।

3. इव,उच्चैः,एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति – एतैः अव्ययपदैः पाठात् चित्वा प्रत्येकं वाक्यं लिखत।

Q.1.Prove that (i) $\sqrt{3}+\sqrt{5}$ is irrational

           (ii) $2-\sqrt{5}$ is irrational.

Q.2.Draw the graph of the pair of linear equations $x-y+2=0$ and $4x-y-4=0$. Calculate the area of the triangle formed by the lines so drawn and x – axis.

Q.3. In an A.P, if $S_n = n(4n+1)$, find the A.P.

Q.4. If the mid-point of the line segment joining A(3,4) and B(k,6) is P(x,y) and $x+y-10=0$, find the value of k.

Q.5.Simplify $(1+\tan^2 A)(1-\sin A)(1+\sin A)$

Q.6. Make a model on combination of solids such as hemisphere mounted on the hemisphere etc.

CLASS-X Science

1. Draw and label the followings.
   a. Stomata
   b. Internal structure of a leaf
   c. Human Digestive System
   d. Human Respiratory System
   e. Human heart and double circulation
   f. Human Excretory system
   g. Neuron
   h. Reflex Arc

2. Make a concept map of the followings.
   a. Photosynthesis
   b. Human Digestive System
   c. Human Reproductive System
   d. Human Excretory System

AUTUMN HOLIDAY HOMEWORK

Sub - AI

1. Describe how machines are made smart or intelligent.

2. List any two common misconceptions about entrepreneurship.

3. Differentiate between grayscale and RGB images.

4. What role does data play in AI based applications. Name any two sources of online data collection for building any AI based application.

5.Differentiate between ML & DL.

6. Discuss the role of AI in improving agricultural practices to reduce water usage and increase crop yield.

7. What is neural network? Briefly explain the layers of a neural network.

8. What are the ethical consideration related to the use of facial recognition technology on public spaces , discussing privacy concerns and potential biases.

9. What is the significance of CV in AI? Discuss about the different CV tasks.

10. Write notes on Classification, Clustering and Regression.

CLASS – X

1. Write note on any three points given below (about 120 words each)

a. Bright future of Solar Energy in India

b. Industrial Pollution and steps to be taken to minimize it

c. Role of banks in Indian Economy

d. Mahatma Gandhi and Non co-operation movement

2. Map pointing

Label the following on outline map of India

1. Coal mines – Raniganj , Bokaro, Korba, Singrauli, Singareni, Neyveli , Jharia

2. Oil fields - Digboi, Ankaleshwar, Mumbai high,

3. Nuclear Power plants -Tarapur , Kakrapara, Rawat Bhata, Naraura, kalpakkam, Kaiga.

3. submit your project work on consumer rights and awareness.

4. complete your CW/HW copy.

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