RANIGANJ LIONS JDM CHANANI DAV PUBLIC SCHOOL

HOLIDAY HOMEWORK

CLASS: X

SESSION: 2025-26

SUBJECT	QUESTIONS
ENGLISH COMMUNICATIVE	**NOTE: All the answers to Q. No. 1 - Q. No 4 shall be written in your English Class work Notebook. Answer to Q. No. 5 has to be written as per instruction given below.** Q.1. How does the story "Two Gentlemen of Verona" reflect the theme of quiet heroism and dignity in adversity? Discuss how the brothers' behaviour and choices convey this theme. Support your answer with examples from the text. Q.2. Both Mrs. Packletide in 'Mrs. Packletide's Tiger' and the frog in 'The Frog and The Nightingale' manipulate others to feed their egos. Discuss how vanity and exploitation are portrayed in both texts. In your opinion, which text delivers the satire more sharply? Justify your view with reference to characters and outcomes. Q.3. Fill in the blanks with the correct verb forms. By the time she (i) _____ (reached/had reached/ will reach) the airport, the flight (ii) _____ (was taking off/took off/had taken off). She (iii) _____ (waits/had been waiting/has waited) for over an hour when she (iv)_____ (heard/was hearing/has heard) the announcement that it was delayed. Q.4. Re-arrange the following jumbled words/phrases in the given dialogue to create a meaningful sentence. Person A: Can you explain how technology influences human behaviour? Person B: (i) PEOPLE / IDEAS / SHARE / HAS / ONLINE / TECHNOLOGY / TALK AND/ CHANGED / TODAY / THE WAY

Q.5. Project Work – Mock Social Media Profile

Create a mock social media profile (Instagram/Facebook) for any one character from any one of the texts- 'Two Gentlemen of Verona'/ 'Mrs. Packletide's Tiger' / 'The Frog and The Nightingale'

Your profile must include:

- A short bio (2–3 lines)

- At least 2 fictional posts (with captions)

- At least 2 comments or interactions with other characters

Example: Instagram profile of Mrs. Packletide flaunting a tiger skin photo with hashtags like

#ShotTheTiger #HighSocietyHunter.

Comment by Miss Mebbin: "You owe that goat a medal!"

 Instructions for Preparation:

- Use A4 size page (1/2 plain or ruled)
- Materials needed: pen, pencil, colour pencils or sketch pens

HINDI	1. निर्देशानुसार रचना के आधार पर वाक्य रूपांतरण कीजिए– (क) सूर्य अस्त होने वाला था, सभी पंछी घोंसलों में चले गए। (संयुक्त वाक्य में बदलिए।) (ख) संकट आने पर हमें घबराना नहीं चाहिए। (मिश्र वाक्य में बदलिए।) (ग) जो झूठ बोलता है, उसे कोई प्यार नहीं करता। (सरल वाक्य में बदलिए।) 2. निम्नलिखित सभी पंक्तियों में प्रयुक्त अलंकार पहचानकर लिखिए - (क) नील गगन-सा शांत हृदय हो रहा था। (ख) हँसमुख हरियाली हिम-आतप, सुख से अलसाए-से सोए। (ग) अंबर के तारे मानो मोती अनगिन हैं। 3. निम्नलिखित प्रश्नों के उत्तर (30-35 शब्दों में) लिखिए- (क) गोपियों ने उद्धव के सामने तरह-तरह के तर्क दिए थे। आप अपनी कल्पना से और तर्क दीजिए। (ख) गोपियों ने यह क्यों कहा कि हरि अब राजनीति पढ़ आए हैं? क्या आपको गोपियों के इस कथन का विस्तार समकालीन राजनीति में नज़र आता है? स्पष्ट कीजिए। (ग) 'क्रोध से बात और अधिक बिगड़ जाती है।' 'राम-लक्ष्मण-परशुराम संवाद' कविता के आलोक में इस कथन की पुष्टि कीजिए। (घ) 'इहाँ कुम्हड़बतियाँ कोई नाही'— की उक्ति के द्वारा लक्ष्मण परशुराम से क्या कहना चाहते थे? स्पष्ट कीजिए। 4. <u>परियोजना कार्य</u>:- जल संकट से जुड़ी खबरों का संकलन कीजिए। इनसे जुड़ी यथार्थ स्थिति का वर्णन कीजिए एवं समाधान लिखिए। <u>नोट</u> - परियोजना कार्य A-4 साइज़ पेपर पर कीजिए तथा प्रश्नोत्तर हिंदी की उत्तर-पुस्तिका में लिखिए।
BENGALI	<mark>To be done in Bengali Classwork notebook.</mark> ১) প্রদত্ত প্রশ্নগুলির সঠিক বিকল্প উত্তরটি বেছে লেখো:

ক) মন্তব্য: "গল্প ছাপা হলে যে ভয়ংকর আহ্লাদটা হবার কথা, সে আহ্লাদ খুঁজে পায়না।"

কারণ (ক): সবার মুখে মুখে চাউর হয়ে গেছে, ছোটমেসোর কথাতেই গল্প ছাপা হয়েছে।

কারণ (খ): যে গল্প ছাপা হয়েছে তার মধ্যে তপনের নিজস্বতা কিছু নেই, সবটাই মেসোর লেখা।

কার্যকারণ বিষয়ে প্রদত্ত বিকল্পগুলির মধ্যে কোনটি গ্রহণযোগ্য?

a) কারণ (ক) এবং কারণ (খ) দুটিই সঠিক   b) কারণ (ক) এবং কারণ (খ) দুটিই ভুল।

c) কারণ (ক) সঠিক হলেও কারণ (খ) ভুল   d) কারণ (ক) ভুল কিন্তু কারণ(খ) সঠিক।

খ) মন্তব্য: গল্পের শেষে রতন পোস্টমাস্টারের দান নিতে চায়নি।

কারণ (ক): সেই দানের মধ্যে কোন স্নেহ এবং দয়া ছিল না।

কারণ (খ): সেই দানের মধ্যে কোন অধিকারবোধ ছিল না।

কার্যকারণ বিষয়ে প্রদত্ত বিকল্পগুলির মধ্যে কোনটি গ্রহণযোগ্য?

a) কারণ (ক) এবং কারণ (খ) দুটিই সঠিক   b) কারণ (ক) এবং কারণ (খ) দুটিই ভুল।

c) কারণ (ক) সঠিক হলেও কারণ (খ) ভুল   d) কারণ (ক) ভুল কিন্তু কারণ(খ) সঠিক।

গ) মন্তব্য: পোস্টমাস্টার নিজে রান্না করে খেতেন।

কারণ: ক) তিনি রান্না করতে ভালোবাসতেন।

কারণ: খ) তাঁর বেতন কম থাকায় রান্নার লোক রাখতে পারেননি।

বিষয়ে প্রদত্ত বিকল্পগুলির মধ্যে কোনটি গ্রহণযোগ্য?

a) কারণ (ক) এবং কারণ (খ) দুটিই সঠিক   b) কারণ (ক) এবং কারণ (খ) দুটিই ভুল।

c) কারণ (ক) সঠিক হলেও কারণ (খ) ভুল   d) কারণ (ক) ভুল কিন্তু কারণ (খ) সঠিক।

ঘ) নীচের কোন সন্ধিটি সঠিক নয়?

a) ষট্ + আনন = ষড়ানন   b) উৎ+ চারণ = উচ্চারণ

c) চলৎ+ চিত্র= চলচ্ছিত্র   d) তরু+ ছায়া= তরুচ্ছায়া

ঙ) 'পতঞ্জলি' শব্দটির সঠিক সন্ধি বিচ্ছেদ হল –

a) পতন্ + জলি   b) পতন্ + অঞ্জলি   c) পতম্ + জলি   d) পতৎ + অঞ্জলি

২) নীচের প্রশ্নগুলির যথাযথ উত্তর দাও।

ক) সপ্রসঙ্গ ব্যাখ্যা কর।

 "পথ হারিয়ে যায় যেদিকে, সেদিকে পথ আছেই"

খ) "সমস্ত রাত্রি স্বপ্নে এবং জাগরণে বালিকার কানে পোস্টমাস্টারের হাস্যধ্বনির কণ্ঠস্বর বাজিতে লাগিল-, 'সে কী করে হবে'।"

 পোস্টমাস্টার কখন এবং কেন এই কথা বলেছিলেন? পোস্টমাস্টারের এই কথা বালিকার কানে সারারাত বাজছিল কেন?

গ) 'ডাক্তারবাবু আমাকে দূর করে দিলেন।'- 'ডাক্তারবাবুর পরিচয় দাও। ডাক্তারবাবু কেন বক্তাকে দূর করে দিলেন?

ঘ) প্রয়োজনমত সন্ধি যুক্ত ও বিচ্ছেদ কর: উচ্ছেদ, বাক্ + ঈশ্বরী, চলচ্ছক্তি, উদ্ধৃত, উৎ + যম, হৃষ্ট

3) **Project Work:**

'আলোবাবু'– গল্পের একটি কমিক স্ট্রিপ প্রস্তুত কর।

SANSKRIT	**1. अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत :-**
	
	नाहं स्वर्गं न मोक्षं वा कामये किन्तु अर्थानां परित्राणाय एव मे निश्चयः। अस्य याञ्चा वृथा मा अस्तु। इत्युक्त्वा स राजा वैद्योक्तविधिना नीलोत्पलम् इव एकं चक्षुः शनैः अक्षतम् उत्पाट्य प्रीत्या याचकाय समर्पितवान्। सः अपि तत् नेत्रम् यथास्थानम् अस्थापयत्। ततो महीपालः द्वितीयं नेत्रमपि शनैः निष्कास्य तस्मै अयच्छत्। अथ विस्मितः शक्रः अचिन्तयत् - अहो धृतिः! अहो सत्त्वम्! अहो सत्त्वहितैषिता।
	
	I. **एकपदेन उत्तरत –**
	(i) कः स्वर्गं मोक्षं वा न इच्छति?
	(ii) कः तन्नेत्रं यथास्थानम् अस्थापयत्?
	
	II. **पूर्णवाक्येन उत्तरत –**
	(i) राजा वैद्योक्तविधिना किं शनैः उत्पाट्य याचकाय समर्पितवान्?
	
	III. **भाषिककार्यम् –**
	(i) अनुच्छेदे 'नेत्रम्' पदस्य पर्यायः कः लिखितः?
	   (क) चक्षुः (ख) एकम् (ग) अक्षतम् (घ) द्वितीयम्
	(ii) ' अहो सत्त्वहितैषिता ' इति कस्य चिन्तनम्?
	   (क) विस्मितस्य (ख) शक्रस्य (ग) वैद्यस्य (घ) नृपस्य
	(iii) ' अथ विस्मितः शक्रः अचिन्तयत्। ' अत्र विशेषणपदं किम्?
	   (क) अथ (ख) शक्रः (ग) विस्मितः (घ) अचिन्तयत्
	(iv) अनुच्छेदे अयच्छत् इति क्रियायाः कर्तृपदम् किम्?
	   (क) तस्मै (ख) महीपालः (ग) राजा (घ) नेत्रम्
	
	2. अधोलिखितेषु रेखांकितपदानां सन्धिं विच्छेदं वा विकल्पेभ्यः चित्वा लिखत :-
	I. **प्रभो + अत्र** कथम् आगतः?
	   (क) प्रभोत्र (ख) प्रभोऽत्र (ग) प्रभूत्र (घ) प्रभौत्र
	II. **पावनं** वेदमन्त्रं पठतु भवान्।

(क) पाव + नम्   (ख) पा + वनम्   (ग) पो + अनम् (घ) पौ + अनम्

3. **अधोलिखितेषु रेखांकितपदानां समासं विग्रहं वा विकल्पेभ्यः चित्वा लिखत :-**

I. षडेते **पाठकगुणाः** सन्ति।

(क) पाठकस्य गुणाः   (ख) पाठके गुणाः   (ग) पाठकात् गुणाः   (घ) पाठं करोति यः

II. शारदा **सर्वदा** अस्ति।

(क) सर्व ददाति इति   (ख) सर्वो दत्तः इति (ग) सर्व दत्ता इति   (घ) सर्वम् ददाति

III. **सत्यसमं** तपः नास्ति।

(क) सत्यात् समम्   (ख) सत्येन समम् (ग) सत्याय समम्   (घ) सत्यस्य समम्

4. **मित्रं प्रति लिखितम् पत्रं मञ्जूषापदैः पूरयित्वा पुनः लिखत :-**

(i) ----------------------

(ii) --------------------- गौरवः

सस्नेहम् (iii) ---------------------- ।

गतमासे अहं (iv) --------------------- मात्रा च सह भ्रमणार्थे मेघालयप्रदेशम् अगच्छम्।

(v) --------------------- सौन्दर्यम् अद्भुतम्। (vi) --------------------- सुन्दरं पर्वतीयस्थलम्

(vii) --------------------- वृक्षैः पर्वतैः च सुसज्जिता इयं वस्तुतः देवभूमिः एव अस्ति। इमं सुन्दरं प्रदेशं दृष्ट्वा (viii) --------------------- यत् पर्वताः सदैव रम्याः एव। अहं त्वया सह अपि एकवारं

(ix) --------------------- तत्र गन्तुम् इच्छामि। आशासे आवां शीघ्रमेव तत्र पर्वतानां मध्ये भविष्यावः।

सर्वेभ्यः मम नमस्काराः कथनीयाः। शीघ्रं मिलामः।

(x) --------------------- मित्रम्

रमेशः

मञ्जूषा – { भवतः, इदम्, केरलतः, विशालैः, नमस्काराः, पुनः, अनुभूयते, मेघालयप्रदेशम्, पित्रा, पियमित्र }

5. **गतिविधिः - पर्यावरणस्य एकं चित्रम् रचयित्वा रञ्जयित्वा च तस्य विषये पञ्च वाक्यानि लिखत।(On A4 size paper)**

NOTE- ग्रीष्मावकाशस्य सर्वाणि उत्तराणि संस्कृत-अभ्यासपुस्तिकायाम् एव कुर्वन्तु।

	Do the following sums:
	1. Find the smallest number which when increased by 17 is exactly divisible by both 520 and 468.
	2. On a morning walk 3 persons step off together and their steps measure 30cm,36cm and 40 cm respectively. What is the minimum distance each should walk so that each can cover the same distance in complete steps?
MATHEMATICS	
	3. Two tankers contain 850 *l* and *680l o*f petrol, respectively. Find the maximum capacity of a container which can measure the petrol of either tanker in exact number of times
	4. If are zeros of the polynomial If α andβ are zeros of the polynomial $2y^2+7y+5$,write the value of $\alpha^2+\beta^2$.
	5. Write the family of quadratic polynomials having $(-1)/4$ and 1 as its zeros.

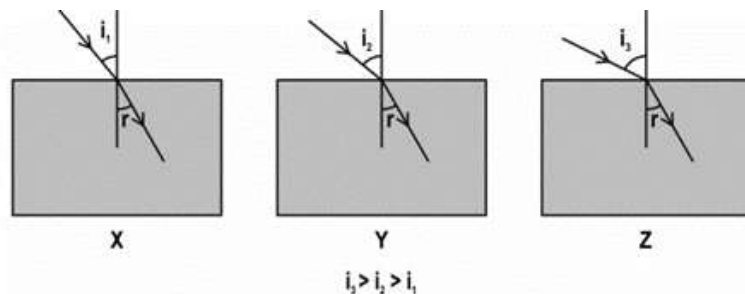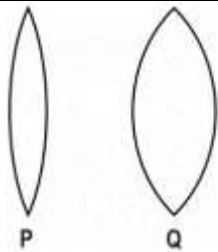| | | **Activity work:**

(To be done in half chart paper with proper cover page.)

(i) To draw graph of a quadratic polynomial x^2 - 4x -5 on the graph paper and find the zeros. (Take at least 10 points to draw the graph)

(ii)To verify the conditions of consistency / inconsistency for a pair of linear equation in two variables by graphical method.

(Take three pairs of equations to verify.) |
| SCIENCE | PHYSICS

1. In the given figure angle of refraction for the three different blocks are all same. Compare the speed of light in the three blocks.

Q2.Smriti is looking at herself in a convex mirror in a science museum, standing 2m away from the mirror. Her image appears to be half of her actual height. Estimate the focal length of the mirror.

Q3. |

Manju takes two convex lens P and Q , as shown in the figure. She is looking at printed text of a page with the lens P. She noticed that when she takes the lens slowly away from the page, the text turn upside down, when the lens crosses 10 cm distance from the page.

a) Which characteristic of lens P does the distance 10 cm signify ?

b) If she does the same with lens Q , at what distance the text will turn upside down, less, more or equal distance (10 cm) ? Justify.

CHEMISTRY:

Answer the following question:

Gas 'P' which is the major cause of global warming combines with hydrogen oxide 'Q' in nature in the presence of an environmental factor 'R' and a green material 'S' to form a six carbon organic compound 'T' and a gas 'U'. The gas 'U' is necessary for breathing.
Identify P, Q, R, S, T and U.
Name this natural process and write the chemical equation for this reaction.
Is the reaction exothermic? justify.

Activity : Performing & Observing the following reaction

A. Decomposition of Lead nitrate
B. Decomposition of crystal Ferrous sulphate

To write the same use the following format in the practical notebook:
1. Aim

	2. Materials Required 3. Procedure 4. Observation 5. Inference
	BIOLOGY:Science Activity/Experiment A. Preparation of stained temporary mounts of onion peels & to record observations and draw their labelled diagrams. To write the same use the following format in the practical notebook: 1. Aim 2. Materials Required 3. Procedure 4. Observation 5. Inference 6.Precautions B.Experimentally show that carbon dioxide is given out during respiration. C.Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides Note - Use DAV CAE Practical copy for completion of the practicals.
SOCIAL SCIENCE	**HISTORY & CIVICS:** **Answer the following questions:** 1. Bring out any two sharp contrasts between Belgian and Sri Lankan democracies 2. What is Majoritarianism? Is it wrong if a majority community in a country rules? Give reasons to justify your answer. 3. Differentiate between Horizontal Division and Vertical Division of Power Sharing. 4. State any three beliefs of conservatism that emerged after 1815. 5. Explain the contributions of Otto von Bismarck in the unification of Germany. 6. Describe the three ways in which nationalist feelings were kept alive in Poland in the 18th and 19th centuries.

	GEOGRAPHY: **Answer the following questions.** 1. Explain the interdependent relationship between nature, technology and institutions. Also make a diagram to represent the same. 2. Describe the importance of judicious use of resources. 3. Write down the aims of Agenda 21 to achieve global sustainable development. 4. Describe the different steps of 'resource planning.'
	ECONOMICS Prepare a booklet (Made out of Pages or Sheets from Old Notebooks -5 Pages 1st Page (Group Details) General Introduction (SDG Goals) Co - relation with Geography Co - relation with Eco Conclusion *Note* -Specific Goals as allotted by the teacher in the Class
AI	**A. Solve the following Python programs and write the output also.** **1. Write a program to calculate the simple interest.** **2. Program to accept marks in four subjects and find the average.** **3. Program for area and perimeter of a rectangle.** **4. Program to input a number and check whether it is even or odd.** **5. A program to display the multiplication table of any number entered by the user.** **B. Write the answer of the following questions .** **1.Radhika has great rhythm, a knack for creating, singing or playing melodies. At a young age she has created many compositions and won many awards. She possesses _____ intelligence.** **a) Logical b) Musical c) Linguistic d) Bodily- kinesthetic**

2.The Meta company's (formerly Face Book) artificial intelligence team recently trained an image recognition model to 85% accuracy using billions of public Instagram photos tagged with hashtags. The key technology behind this model is _____.

a) Computer Vision   b)NLP   c)Data   d) All of these

3.Assertion: (A): Timeless is a key characteristics of effective feedback in communication.

Reason (R): Timely feedback enables individuals to relate feedback to specific situations, enhancing its usefulness.

(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, but R is true.

4.Assertion (A): One can be a good singer while other can be a great athlete.

 Reason(R): Humans possess different types of intelligences but at different levels.

(a) Both A and R are correct, and R is the correct explanation of A.

(b) Both A and R are correct, and R is not the correct explanation of A.

(c) A is correct, but R is not correct.

(d) A is not correct, but R is correct.

5.Rajat has made a model which predicts the performance of Indian Cricket players in upcoming matches. He collected the data of players performance with respect to stadium, bowels, opponent team and health. His model works with good accuracy and precision value. Which of the statement given below is incorrect?

a) Data gathered with respect to stadium, bowlers, opponent team and health is known as Testing Data.

b) Data given to an AI model to check accuracy and precision is Testing Data.

c) Training data and testing data are acquired in the Data Acquisition stage.

	d) Training data is always larger as compared to testing data.
	6.Write any four real-life implementations of AI.
	7.Why data privacy is important for AI.
	8.Can digital footprints predict your personality? If yes, which digital platform can provide this information?
	9.Write the difference between Rule based Approach and Learning based approach.
	10. Define AI, ML and DL.