RANIGANJ LIONS J.D.M.C. D.A.V PUBLIC SCHOOL, RANIGANJ.W.B.
HOLIDAY HOMEWORK SESSION 2024 - 25
CLASS :   X

SL. NO.	SUBJECT	HOMEWORK
1.	ENGLISH	**PROJECT WORK** 1. WHILE DOING THE PROJECT, FOLLOW THE INSTRUCTIONS AS GIVEN IN WRITING IN THE CLASS. The narrator of the fiction 'Two Gentlemen of Verona' writes a travel blog (in the form of infographic) about his visit to Italy. Write the blog with pictures of important places, persons and items as mentioned in the story along with his emotions about the people of that place whom he came across. 2. ANSWER THE FOLLOWING QUESTIONS IN YOUR OWN WORDS. (ALL THE ANSWERS WITH THEIR QUESTIONS SHALL BE WRITTEN IN ENGLISH C/W COPY ONLY.) i) Vanity blossoms but bears no fruit. Validate the statement with reference to the story "Mrs Packletide's Tiger". 1. You must have faced criticism or rejection in your work or personal life as the nightingale did, and responded to it. What strategies did you use to cope with the criticism and rejection?
2.	HINDI	1. गोपियाँ क्या तर्क देकर स्वयं को निर्गुण ब्रह्म की आराधना करने में असमर्थ सिद्ध करती हैं? (2) 2. 'जागत सोवत स्वप्न दिवस-निशि, कान्ह-कान्ह जकरी।' इस पंक्ति द्वारा गोपियों की किस मन:स्थिति का वर्णन किया गया है? (2) 3. परशुराम के प्रति लक्ष्मण के व्यवहार पर अपने विचार लिखिए।(3) 4. 'राम-लक्ष्मण-परशुराम संवाद' पाठ के आधार पर ब ताइए कि सभा ने किस बात को अनुचित कहा और किस कारण से कहा? (3) 5. **परियोजना कार्य-** पाठ्य पुस्तक की कहानी 'नेताजी का चश्मा' उपविषय पर एक परियोजना कार्य तैयार कीजिए, जिसमें निम्नलिखित बिंदुओं को शामिल कीजिए- · **लेखक का संक्षिप्त परिचय** · **कठिन शब्दों के अर्थ** · **हालदार साहब का चरित्र-चित्रण** · **कैप्टन चश्मेवाले का चरित्र चित्रण** · **कहानी का उद्देश्य**
3.	BENGALI	**১) প্রশ্নগুলির সঠিক উত্তর দাও।** 1x5=5 ক) 'চোখ মার্বেল' হয়ে যাওয়া কী অর্থে প্রযুক্ত হয়েছে? খ) তপনের নতুন মেসোমশাই খবরের কাগজের বিষয় নিয়ে কাদের মতো তর্ক করেন?

গ) গ্রামে এসে কলকাতার ছেলে পোস্টমাস্টারের কেমন অবস্থা হয়েছিল?

ঘ) পোস্টমাস্টার কীভাবে তাঁর অবসর সময় কাটাতেন?

ঙ) তিন পাহাড়ের নকশিকাঁথায় কাদের কলরব শোনা যায়?

২) নৌকায় চাপার পর পোস্টমাস্টারের মনে রতনের জন্য কোন ভাবনার উদয় হয়? ভাবনা অনুযায়ী কাজ হতে পারে নি কেন ?   2x1=2

৩) ব্যাখ্যা করঃ 'পুব আকাশে আস্তে ধীরে আলোর ঘোমটা খোলে,/ শক্ত সবুজ গাঁ ভেসেছে তিন পাহাড়ের কোলে।'   3x1=3

Project Work   **5**

'পোস্টমাস্টার' গল্পটির একটি কমিক স্ট্রিপ প্রস্তুত কর।

4.	MATHS	**Answer the following questions:-(Use class work copy)**

Answer the following questions:-(Use class work copy)

1.7x 11 x 13 x15 +15 is a   1
(a) prime number   (b) composite number
(c) neither prime nor composite   (d) none of the above

2.The graph of a quadratic polynomial is   1
(a) a straight line   (b) a parabola
(c) a circle   (d) neither parabola nor straight line

3. The pair of linear equations Y=0 and X=-5,has   1
(a) one solution   (b) two solutions
(c) infinitely many solutions   (d) no solution

4.Form a quadratic polynomial whose sum of zeroes and product of zeroes are -⅓ and ⅚ respectively.   2

5.Find the greatest 3- digit number which is divisible by 18,24 and 36.
                                                                     2

6.Draw the graph of the pair of linear equations X-Y+2=0 and 4X -Y -4=0 .
Also calculate the area of the triangle formed by the lines so drawn and X- axis.   2

PROJECT WORK:-
 Topic:-
To obtain the conditions for consistency of a system of linear equations in two variables by graphical method for the following pairs of linear equations : (Use mm graph)
1. **5x + 2y = -3**
    3x - 4y = -7
2. **x + 2y =5**
    2x + 4y =7
3. **4x - 3y + 5 = 0**
    8x - 6y +10 = 0

5.	**SCIENCE**	SCIENCE (PHYSICS)
		
		1. Discuss the characteristics of an image formed by a concave mirror when the object is placed beyond the centre of curvature.
		2. Compare virtual and real images in the context of spherical mirror.
		3. State the applications of convex mirror in everyday life.
		4. In which condition does a concave mirror produce a virtual image?
		5. Draw a ray diagram to show the path of the reflected ray in each cases-
		   (a) A ray of light strikes on a convex mirror is directed towards its principal focus.
		   (b) A ray strikes at the pole of a convex mirror making an angle with the principal axis.
		
		## CHEMISTRY:
		A reddish brown vessel developed a green colored solute X when left open in air for a long time. When reacted with dilute Sulphuric Acid it forms a blue colored solution along with brisk effervescence due to colorless and odorless gas Z. X decomposes to form black colored oxide Y of a reddish brown metal along with gas Z.
		Identify X,Y,Z with all chemical reactions involved.
		 (3 marks)
		## BIOLOGY:
		Answer the following questions:
		1. 'Limewater turns milky when air is blown out of the mouth into the lime water by a pipe '. Justify the statement
		 (2 marks)
		2. 'Fishes die when taken out of water'. Give reasons. (2 marks)
		
		## Science Activity :
		### BIOLOGY
		Experiment: Preparation of temporary mounts of leaf peel to show stomata & to record observations and draw their labeled diagrams.
		To write the same use the following format in the practical notebook:
		1. Aim
		2. Materials Required
		3. Procedure
		4. Observation
		5. Inference
		### CHEMISTRY
		Experiment: 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

		Note - Use the DAV CAE Practical copy for completion of the practicals.All physics chemistry & biology experiments you have to write in single copy.
6.	**SOCIAL SCIENCE**	**Holiday Homework Class X** 1.Who ruled France in 1830's and was forced to flee after unemployment caused workers to revolt on roads? 2. Give two reasons for the ruling elites of the region wanting to unify the Italian states. 3. Explain any three causes of conflict in the Balkan Area after 1871. 4. Explain two reasons as to why power sharing is desirable. 5. How did the Sri Lankan Tamils struggle for their demands?(Any three) Q6. Suggest the various methods of Soil conservation. Q7. "The Earth has enough resources to meet the needs of all but not enough to satisfy the Greed of even one person " . How is this statement relevant to the discussion of development? Discuss. Q8.Write any three characteristics of arid soil in India . 9.What is meant by Sustainable Development? Explain it by taking the case study of water. 10.Which values are associated with SD(Sustainable Development) Goals Economics Project on Chapter - Consumers Awareness (Class -X) Note -Take One -fourth size chart paper . Write all the Consumer Rights and Duties as a consumer; and legal measures available to protect the consumers from being exploited in markets. Project must be neat and clean. It should be handwritten. Name , Class , Section must be written at the top of the chart paper .
8.	**SANSKRIT**	<u>गतिविधिः</u> पुष्प आरेख माध्यमेन सन्धिकार्यम् कुर्वन्तु। 1. **अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत :-** नाहं स्वर्गं न मोक्षं वा कामये किन्तु आर्तानां 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 ददौ। अथ विस्मितः शक्रः अचिन्तयत् - अहो धृतिः! अहो सत्त्वम्! अहो सत्त्वहितैषिता।

I. **एकपदेन उत्तरत –** ½ X2=2

(i) कः स्वर्गं मोक्षं वा न इच्छति?

(ii) कः तन्नेत्रं यथास्थानम् अस्थापयत्?

II. **पूर्णवाक्येन उत्तरत –** 2X1=2

(i) राजा वैद्योक्तविधिना किं शनैः उत्पाट्य याचकाय समर्पितवान्?

III **भाषिककार्यम् –** 1X2=2

(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

2. मित्रं प्रति लिखितम् पत्रं मञ्जूषापदैः पूरयित्वा पुनः लिखत :- ½ X10=5

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

(ii) --------------------- गौरवः

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

गतमासे अहं (iv) --------------------- मात्रा च सह भ्रमणार्थं 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 }

नोट : अवकाशदिवसस्य सर्वाणि गृहकार्याणि संस्कृत-अभ्यासपुस्तिकायाम् एव कर्तव्यानि।

9.	A.I.	**A. Solve the following Python programs and write the output also.**

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.

    a) Prepare a practical file for the above question and submit it in print out format in a channel file.
    b) Front page must contain name of our school, your name, Class, Sec, Roll No, Subject Name.
    c) Print out pages either color or black & white.

B. Write the answer of the following questions in your class work copy.

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.

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