HARI VIDYA BHAWAN

HOLIDAY HOMEWORK

CLASS -IX

ENGLISH

1.Write these diary entry:- (Do in Grammar notebook)

A. A group of fifteen students from your class recently wept to Rashtrapati Bhavan to meet the President. Write your joyous experience through a diary entry in 100-150 words.

B. Your sister and you decided to give your mother a day off from the kitchen on her birthday. Write a diary entry in 100-150 words on how you managed to run the kitchen without your mother's assistance.

2. Write these Descriptive paragraph :- (Do in Grammar notebook)

A. Write a descriptive paragraph on our beloved Prime Minister in about 100-150 words based on the given cues :   Narendra Damodardas Modi – honest, hardworking, humble – no desire of name, fame – service to the nation – to take country to greater heights.

B. You have been served with the following notes on 'Kashmir'. Develop a paragraph on "Kashmir : The Paradise of India" using all these notes.Kashmir - Surrounded by mountains, snow covered peaks, beautiful lakes and gardens.

3.Read and revise all the chapters.

4. Subject Enrichment Activity

Write biography of A.P.J Abdul Kalam. Write about his childhood, family, awards, books, facts, achievements etc. Also, paste or make his picture. (Do it on A4 sheet)

हिंदी

सामान्य निर्देश- नीचे दिया गया कार्य अपनी व्याकरण की कॉपी में करिए -

प्रश्न 1. आपके चाचाजी ने आपको जन्मदिन का उपहार भेजा है। उपहार भेजने के लिए धन्यवाद देते हुए उन्हें पत्र लिखें।

प्रश्न -2. "नई दिल्ली के प्रगति मैदान में आयोजित एक पुस्तक प्रदर्शनी" में जाने के अपने अनुभव को अपने दोस्त को बताते हुए एक पत्र लिखिए।

प्रश्न-3. अपनी एक छोटी बहन को उसके जन्मदिन की बधाई के लिए 40 शब्दों में एक संदेश लिखिये?

प्रश्न-4. आपके मित्र की दुर्घटना हो जाती हैं। लेकिन आप उनसे मिलने नही जा पाते, इस संबंध में उन्हे एक सांत्वना संदेश 40 शब्दों में लिखे?

प्रश्न-5. गाँव से कुछ दूरी पर रेलगाड़ी दुर्घटनाग्रस्त हो गई है, दो मित्र वहाँ पीड़ितों की सहायता के लिए जाना चाहते हैं। उनके मध्य हुए संवाद का लेखन कीजिए।

प्रश्न -6. अपने-अपने जीवन लक्ष्य के बारे में दो मित्रों की बातचीत को संवाद रूप में लिखिए।

क्रियाकलाप (Enrichment Activity)

नीचे दिए गए प्रश्न के आधार पर एक नारा तैयार कीजिए। आप इस कार्य को एक फाइल फोल्डर में तैयार कर सकते हैं चित्र के साथ। यह चित्र आप ड्राइंग के द्वारा भी दर्शा सकते हैं। यह चित्र नारा के आधार पर होना चाहिए।

(1) कन्या - भ्रूण हत्या के दुष्परिणामों के प्रति लोगों में जागरूकता लाने के लिए लगभग 20 से 30 शब्दों में नारा लिखिए।

(2) पर्यटन स्थलों को साफ़ - सुथरा रखने का संदेश देते हुए लगभग 20 से 30 शब्दों में नारा लिखिए।

Mathematics

PRACTICE QUESTIONS

Q1. If the base radius and height of a cone is 3.5cm and 12cm, then how much ice-cream can be put into the cone?
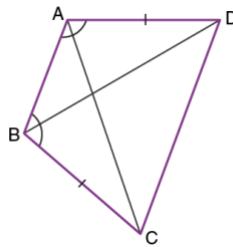
Q2. A circular park of radius 20m is situated in a colony. Three boys Ankur, Syed and David are sitting at equal distance on its boundary each having a toy telephone in his hands to talk each other. Find the length of the string of each phone.

Q3. **ABCD is a quadrilateral in which AD = BC and ∠DAB = ∠CBA. Prove that**
(i) ∆ABD ≅ ∆BAC
(ii) BD = AC
(iii) ∠ABD = ∠BAC.

Q4. **Calculate all the angles of a parallelogram if one of its angles is twice its adjacent angle.**

Q5. Show that the diagonals of a rectangle are equal in length.

Q6. Draw a histogram of the weekly pocket expenses of 125 students of a school given below :

Weekly Pocket Expenses (in ₹)	Number of Students
0 – 10	10
10 – 20	20
20 – 30	10
30 – 40	15
40 – 70	30
80 – 100	40

Q7. Shimpi, a class IX student received cash award of 10000 (Ten thousand) in the singing competition. Her father advised her to make a budget plan for spending this amount. She made the following plan :

S. No.	Head	Amount
1.	Donation to religious place	200
2.	Tuition fee to needy child	100
3.	Welfare of senior citizens	500
4.	Welfare of street children	800
5.	Saving in bank	4000
6.	Books for library	2000
7.	Picnic for family	1000
8.	Gift to grand parents	1100
9.	Tea party to friends	300
	Total	10000

Make a bar graph for the above data.
From above answer the following questions :
(i) Which mathematical concepts have been covered in this ?
(ii) How will you rate her budget plan ? In your opinion which head has been given
(a) more than deserved and (b) less than it deserved ?
(iii) Which values are depicted in her plan?

NOTE:- Solve the above questions in fair notebook.

Social Studies

1. **a)** Make 20 Multiple Choice questions along with their answers in your respective class notebook, for Geography chapter "The Climate". **(Roll No- 1 to 10)**
   b) Make 20 Multiple Choice questions along with their answers in your respective class notebook, for History chapter "Nazism and the rise of Hitler". **(Roll No- 11 to 20)**
   c) Make 20 Multiple Choice questions along with their answers in your respective class notebook, for Civics chapter "Democratics Rights". **(Roll No- 21 to 30)**
   d) Make 20 Multiple Choice questions along with their answers in your respective class notebook, for Economics chapter "Food Security in India". **(Roll No- 31 onwards till last)**
2. Complete your notebooks and revise the syllabus coming in your final exam. **(For All Students)**

ENRICHMENT ACTIVITY(For All students)

Activity No.	Activity	Pre-requisites
Activity 1	Prepare "My Own ATLAS" on following topics in a Political map of India. i. Rivers ii. Mountain Ranges iii. Plateaus iv. Oceans v. Deserts vi. States sharing international boundaries vii. States with capitals and Union territories viii. Wildlife sanctuaries *Note:-* Make a proper file with cover page stating the details of your work.	• Colors/Sketch Pens • File • Pencil • Political Maps

SCIENCE

INSTRUCTION: All questions are compulsory:-

Q1. A truck starts from rest and rolls down a hill with a constant acceleration. It travels a distance of 400 m in 20 s. Find its acceleration. Find the force acting on it if its mass is 7 tonnes (Hint: 1 tonne = 1000 kg.)

Q2. An automobile vehicle has a mass of 1500 kg. What must be the force between the vehicle and road if the vehicle is to be stopped with a negative acceleration of 1.7 m s–2?

Q3. Give reason for the following observations.

(a) Naphthalene balls disappear with time without leaving any solid.

(b) We can get the smell of perfume sitting several metres away.

Q4. Arrange the following substances in increasing order of forces of attraction between the particles— water, sugar, oxygen.

Q5. What is the physical state of water at—

(a) 25°C   (b) 0°C   (c) 100°C ?

Q6. Give two reasons to justify—

(a) water at room temperature is a liquid.

(b) an iron almirah is a solid at room temperature.

Q7. Which characteristic of the sound helps you to identify your friend by his voice while sitting with others in a dark room?

Q8. What are polyatomic ions? Give examples.

Q9. Write the chemical formulae of the following.

(a) Magnesium chloride

(b) Calcium oxide

(c) Copper nitrate

(d) Aluminium chloride

(e) Calcium carbonate.

Q10. What are the limitations of J.J. Thomson's model of the atom?

Q11. What are the limitations of Rutherford's model of the atom?

Q12. Describe Bohr's model of the atom.

Q13. How is a prokaryotic cell different from a eukaryotic cell?

Q14. What would happen if the plasma membrane ruptures or breaks down?

Q15. What would happen to the life of a cell if there was no Golgi apparatus?

Q16. Define the term "tissue".

Q17. How many types of elements together make up the xylem tissue? Name them.

Q18. How are simple tissues different from complex tissues in plants?

Q19. What happens to the force between two objects, if (i) the mass of one object is doubled? (ii) the distance between the objects is doubled and tripled? (iii) the masses of both objects are doubled?

Q20. Why is sound wave called a longitudinal wave?

INFORMATION TECHNOLOGY

Q1. What are 3 R's of Conservation for waste management?

SUBJECT ENRICHMENT ACTIVITY 1

Q2. Create a table in Writer and write down the steps performed while storing the following details:-

Roll no.	Name	City	Computer Fee	Annual Charges
1	Ranjeet	Delhi	4500	1500
2	Pragya	Mumbai	6000	1550
3	Kritika	Allahabad	3500	1250
4	Aman	Jaipur	3000	1300
5	Pari	Indore	4000	1200

1. Set the text alignment to 'center'.
2. Insert another column between City and Computer Fee and give the heading 'Examination Fee' to this column.
3. Enter the Examination Fee as 500 for all the cell values in this column.
4. Add another row in the table with these details: -

6	Priyanka	Mysore	5000	1200

5.   Save the document as 'My Table".

Q3. Define the following:

1.   Table.
2.   Spreadsheet.
3.   Arithmetic Operators.
4.   Cell Reference.
5.   Mail Merge.

Q4. List any five roles of Entrepreneur.

SUBJECT ENRICHMENT ACTIVITY 2

Q5. Create a spreadsheet 'Monthly_Reports' and write down the steps performed in performing the following details in your notebooks :-

	A	B	C	D	E	F	G
1				Monthly Report Sales			
2	S. No.	Name	Laptop	Projector	Tablet-PC	Playstation	Printer
3	1	Reema	70	35	320	65	120
4	2	Mayank	80	40	340	80	90
5	3	Pragya	85	65	410	20	45
6	4	Murli	45	55	200	35	55
7	5	Kanak	30	40	210	23	50
8	6	Sushmita	60	80	310	60	60
9	7	Rahul	55	85	550	85	80
10	8	Vikesh	30	90	780	95	95
11	9	Sarthak	45	100	900	100	100
12	10	Priyanka	50	120	910	120	35
13							

1. Set font to 'TimesNewRoman' for the first and second row and for the rest of the rows set it to 'LiberationSerif'.
2. Apply a 'green' color border to the table.
3. Apply font style = 'Italic' to the Row 2.

4. Create a new column 'Total' and apply the SUM formula to calculate its values.