

St. Marks Sr. Sec. Public School



Recognized by Directorate of Education, Delhi

Affiliated to CBSE upto XII Arts, Commerce and Science

SUMMER HOLIDAYS HOME WORK 2024-25

CLASS – X

NAME _____ **ADM NO** _____

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SUBJECT: ENGLISH

NOTE: Make a separate notebook for holidays homework

1. *ENGLISH Literature- First Flight*

Learn and write the following questions of chapters 1 and 2 in a holiday homework notebook.

2. *Supplementary Reader- Footprints without feet*

Learn and write complete work which has been done of
Do the following questions of Chapters 1 and 2 in a holiday homework notebook.

3. ENGLISH GRAMMAR

1. Prepare a project file on **Nelson** Mandela
2. Make a chart of **Determiners** and its kinds with examples.
3. Make a chart of **Tenses** and with examples.
4. Learn forms of verbs.
5. Write an article in about 150 words on the topic, **“Importance of Physical Health in Our Lives”**.
6. Write an article with a picture on '**Swachh Bharat Abhiyan**' or '**Clean India Campaign**' on an A-4 sheet about 150-200 words.
7. Write and learn an application to the principal of your school for sick leave.
8. Write and learn an application to the principal of your school for an urgent piece of work.
9. Watch TV or read daily **NEWS** and write five headlines daily in a notebook.
10. Explain any two events of your summer vacation in a diary.
11. Read the extracts given below and answer the questions which follow by choosing the option.

Extract -1

Oh I did for a bit, but he seemed to be so weak had to relent. He does love cream cakes and chocolates so I can't bear to refuse him. I looked down again at the little dog. That was the trouble. Tricky's only fault was greed.

1-Who was Mrs. Pumphrey worried about?

A - Herself

B - Her Dog

C-Her Maid- servant

D-Her son

2-Tricky falls ill because

A-He met an accidents

B- Of bad weather

C-He did not get proper food to eat

D-His mistress overfed him

3-When Tricky was seriously ill, who did Mrs. Pumphrey make a frantic call to?

A-To her maid servant

B-To Mr. Hodking

4- How would you describe the vet?

A-Tactful. B-Over-doing

C-Careless. D- Irrational

5-How did Tricky look?

A- Very thin

B-Like a bloated sausage

C-Energetic

D-very smart

Extract -2

My spirit rose. But when I took the note, I saw it was still wet from the night's rain. He knew. But neither his lips nor his eyes showed anything. I smiled at Anil in my most appealing way. And the smile came by itself, without any effort."

1- What is suggested by the following evidence from the text?

A. The narrator is happier being honest with Anil rather than stealing from him.

B. The narrator is pleased that he is 600 rupees richer.

C. Anil is a funny guy that can make the narrator laugh.

D. The narrator did not want to leave the innocent man alone to be cheated by someone else.

2-What promise did Anil make to the Thief Boy?

A. giving him a Good Job

B. giving him money

C. teaching him reading and writing

D. giving him a room on rent

3- The thief boy was grateful to Anil for:

A putting his efforts to educate him

B. giving him money

C. watching match with him

D. playing with him

4- How, according to the narrator, would Anil feel upon finding out?

A. angry.

B. fear

C. acceptance.

D. sad

5-Why does Hari return the money?

A. he wanted to learn to write

B. he was worried about how Anil would feel

C. he thought that he would not get food and shelter anywhere else.

D. none of the above

12. ANSWER THE FOLLOWING QUESTIONS

1. What did Lencho hope for?

2. Why did Lencho say that raindrops were like 'new coins'?

3. How did the rain change? What happened to Lencho's fields?

4. Was Lencho surprised to find a single letter for him with money in it?

5. Who does Lencho have complete faith in? What sentences in the story tell you this?

6. Why does the postmaster send money to Lencho? Why does he sign the letter 'God'?

7. Did Lencho try to find out who had sent the money to him? Why/Why not?

8. Who does Lencho think has taken the rest of the money? What is the irony in the situation? (Remember that the irony of a situation is an unexpected aspect of it. An ironic situation is strange or amusing because it is the opposite of what is expected.)

9. Why did such a large number of international leaders attend? What did

it signify the triumph of?

10. What does Mandela mean when he says he is "simply t African patriots" who had gone before him?
11. Would you agree that the "depths of oppression" create "height of chapter?
How does Mandela illustrate this? Can you add your own example of this argument.?
12. How did Mandela's understanding of freedom change with age and Experience?
13. How did Mandela's 'hunger for freedom' change his life?
14. How does the thief think Anil will react to the theft?
15. What does he say about the different reactions of people when they are robbed?
16. Does Anil realise that he has been robbed
17. Why does not Anil hand the thief over to the police? Do you think most people would have done so? In what ways is Anil different from such empliers?
18. Do you think people like Anil and Hari Singh are found only infection, aur are there such people in real life?
19. Fill up the blanks by using the correct tense form of the verbs given in brackets.
 - (a) We (go) to Guwahati by Rajdhani Express last month.
 - (b) Rajdhani train air-conditioned train. (be) a fully
 - (c) It (provide) food, cold drinks, water, and the blankets at night.
 - (d) The journey (be) cool. It imparted solace to the soul and mind.
 - (e) On the opposite, therepriest. (be) a
 - (f) He (be) in the church of Patna for the past twenty years.
 - (g) I was informed that he book. (read) a book.
 - (h) He did not say when he..... (come).
 - (i) I hope that you will soon..... (pardon) me.
 - (j) He taught me that good deeds..... never lost.

विषय -हिंदी

प्र.1 निम्नलिखित प्रश्नों के उत्तर दीजिए।

1. उद्धव के मुँह से योग की बातें सुनकर गोपियों को कैसा लगता है?
2. गोपियाँ कृष्ण के किस कार्य को अनीतिपूर्ण बताती है?

3. सूरदास के पद आधार पर बताइए कि उद्धव गोपियों की मनोदशा क्यों नहीं समझ सके?
4. गाधिसूनु किसे कहा गया है? वे मुनि की किस बात पर मन नहीं मन मुसकुरा रहे थे?
5. लक्ष्मण ने अपने कुल की क्या पंरपरा बताई?
6. 'इंहो कुम्हडबतिया कोड नही' के माध्यम से लक्ष्मण क्या कहना चाह रहे थे
7. परशुराम ने लक्ष्मण में क्या-2 दोष बताए?
8. गोपियों ने अपना अनन्य प्रेम किस तरह से प्रकट किया है?
9. पठित पाठ सूरदास के पद से पद संख्या एक की व्याख्या प्रसंग तथा विशेष सहित कीजिए
10. पठित पाठ तुलसीदास की काव्य रचना शरामचरित मानस से पद संख्या एक की व्याख्या प्रसंग संदर्भ सहित लिखो।
11. व्याकरण -वाक्य- भेद) रचना के आधार पर(
12. सरल वाक्य- कोई पांच संयुक्त वाक्य -कोई पांच
13. मिश्र वाक्य- कोई पांच कॉपी में लिखिए।
14. गद्यय -खंड -:पढ़ाए गए पाठों के प्रश्न उत्तर याद कीजिए।
15. काव्य- खंड -:पढ़ाए गए पाठों के प्रश्न उत्तर याद कीजिए

SUBJECT: SCIENCE

Biology

1. What is photosynthesis? Write its equation
2. Name the membrane covering the lungs
3. What processes would you consider essential for maintaining life?
4. What is translocation?
5. What is osmoregulation?
6. Write the functions of stomata.
7. Write the function of Villi and Alveoli.
8. Differentiate between aerobic and anaerobic respiration.
9. Differentiate between artery and vein.
10. Explain break down of glucose into various pathway with the help of flow chart.
11. Differentiate between blood and lymph.
12. What is the role of saliva in digestion of food?

Chemistry

1. What is chemical equation?
2. What is addition reaction?
3. What is displacement reaction?

4. What is double displacement reaction?
5. Give an example of double displacement reaction and balanced it?
6. What is substitution reaction?
7. Give an example of substitution reaction?
8. Define exothermic and endothermic reaction?
9. Why we should balance the chemical equation?
10. What is decomposition reaction?

Physics

1. Define radius of curvature, centre of curvature, power of lens, principal focus of convex lens, refractive index.
2. What are the two laws of reflection of light?
3. What are the two laws of refraction of light?
4. What is Snell's law?
5. Draw ray diagrams of image formation by concave mirror. (use pencil, scale)
6. Draw ray diagrams of image formation by convex lens. (use pencil, scale)
7. What is meant by reflection and refraction of light?

SUBJECT: Information Technology

1. Learn very short, short and long type question /answer from chapter no 1 to 2
 - 1) Communication skills are very important for any business explain any two elements of a communication process.
 - 2) Give any two reasons to justify why feedback is important
 - 3) Why is descriptive feedback valuable
 - 4) Write any two ways in which we can overcome barriers in effective communication.
 - 5) Explain any two of 7Cs of communication
 - 6) What is stress management
 - 7) Explain ABCs of stress management
 - 8) how is self-regulation connected to the ability to work independently
 - 9) what are the advantages of the ability to work independently
 - 10)goal setting is very essential factor in your personal life list all the SMART method to set the goals. explain 'A' in brief
2. Read chapter no. 3 and write summery in fair note Book
3. Do practical work of chapter 1 to 2 on computer and print it and prepare practical file.
4. Draw a computer network chart

5. Read chapter no. 3 and write summary in fair note Book

SUBJECT: Maths

Q.1 Do 6 activities in lab manual. [1, 2, 3, 7, 8 and 9]

Q.2 Prepare the history of two Indian and two foreigner mathematics.

Q.3 Write and learn the rules of divisibility of 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.

Q.4 Write and learn the squares of the numbers 1 to 30 and cubes of numbers 1 to 20.

Q.5 Solve the following questions.

1. Find HCF of $5^2 \times 3^2$ and $3^5 \times 5^3$.

2. 4 Bells toll together at 9.00 am. They toll after 7, 8, 11 and 12 seconds respectively. How many times will they toll together again in the next 3 hours?

3. The HCF and LCM of two numbers are 33 and 264 respectively. When

the first numbers is divided by 2 the quotient is 33. Find the other number.

4. If LCM of 24 and 48 is $10m + 8$ then, find the value of m.

5. Find the smallest number, which when increased by 14 is exactly divisible by 15 and 770.

6. What is the greatest possible speed at which a man can walk 52m and 91 m in an exact number of minutes?

7. If least prime factor of a is 5 and least prime factor of b is 13, then what is the least prime factor of $a + b$?

8. Find the LCM and HCF of the following integers and verify that $\text{LCM} \times \text{HCF} = \text{product of the two numbers}$ 26 and 91.

9. Can two numbers have 18 as their HCF and 380 as their LCM? Give reasons?

10. Can two numbers is 10 times their HCF. Sum of HCF and LCM is 495. If one number is 90, then find the other number.

Q.6 Solve the following questions.

1. Find the zeroes of the polynomial $f(x) = 4x^2 - 12x + 9$.

2. If $p(x) = ax^2 + hx + c$, then c/a is equal to = ?

3. The number of zeros that polynomial $f(x) = (x - 2)^2 + 4$.

4. The graph of the polynomial $p(x)$ cuts the x-axis at 2 places and touches it at 4 places. Find the number of zeroes of $p(x)$.

5. If one zero of $p(x) = ax^2 + bx + c$ is zero then find the value of c .
6. For what real value of k , is 3 a zero of the polynomial $2x^2 + x + k^2$?
7. Find a quadratic polynomial whose zeroes are -9 and $1/9$.
8. If α, β are zeroes of the $x^2 + 5x + 5$, find the value of $\alpha^{-1} + \beta^{-1}$.
9. If α, β are zeroes of the $x^2 + 7x + 7$, find the value of $1/\alpha + 1/\beta - 2\alpha\beta$.
10. Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively : $-1/4, 1/4$.

SUBJECT: SOCIAL STUDIES

1. LAB MANNUAL

Complete all the chapters in Lab annual which has been done in your notebook.

- | | | | |
|----------------------|------------|--------------|--------|
| A) History | [Ch-1 & 2] | B) Geography | [Ch-1] |
| C) Political Science | [Ch-1 & 2] | D) Economic | [Ch-1] |

2. Make a Political Map of India on full size chart paper and indicate the states and their capital with help of colours.

3. Make Environment Day activities by using waste material, some ven below for help.



4. Learn and revise all the notes and question answers of all chapters taught in the class till May 2024.

5. Make a map book and locate the following places in the Physical & Political maps of India.

UNIT I: INDIA AND THE CONTEMPORARY WORLD – II (HISTORY)

Chapter 2 - Nationalism in India

1. Indian National Congress Sessions:

- Calcutta (Sep. 1920)
- Nagpur (Dec. 1920)
- Madras (1927)

2. Important Centres of Indian National Movement

- Champaran (Bihar) - Movement of Indigo Planters
- Kheda (Gujrat) - Peasant Satyagraha
- Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha
- Amritsar (Punjab) - Jallianwala Bagh Incident
- Chauri Chaura (U.P.) - Calling off the Non-Cooperation Movement
- Dandi (Gujarat) - Civil Disobedience Movement

UNIT II: CONTEMPORARY INDIA – II (GEOGRAPHY)

Chapter 1 - Resources and Development

- Major Soil Types

Chapter 3 - Water Resources

- Dams: Salal, Bhakra Nangal, Tehri, Rana Pratap Sagar, Sardar Sarovar, Hirakud, Nagarjuna Sagar, Tungabhadra

Chapter 4 - Agriculture (Identify)

- Major areas of Rice and Wheat
- Largest/ Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Chapter 5 - Minerals and Energy Resources

1. Minerals (Identify)

- Iron Ore mines: Mayurbhanj, Durg, Bailadila, Bellary, Kudremukh
- Coal Mines: Raniganj, Bokaro, Talcher, Neyveli
- Oil Fields: Digboi, Naharkatia, Mumbai High, Bassein, Kalol, Ankaleshwar

2. Power Plants (Locate and Label)

- Thermal: Namrup, Singrauli, Ramagundam
- Nuclear: Narora, Kakrapar, Tarapur, Kalpakkam

Chapter 6 - Manufacturing Industries

- Cotton Textile Industries: Mumbai, Indore, Surat, Kanpur, Coimbatore
- Iron and Steel Plants: Durgapur, Bokaro, Jamshedpur, Bhilai, Vijaynagar, Salem
- Software Technology Parks: Noida, Gandhinagar, Mumbai, Pune, Hyderabad, Bengaluru, Chennai, Thiruvananthapuram

Chapter 7 - Lifelines of National Economy

- Major Ports: Kandla, Mumbai, Marmagao, New Mangalore, Kochi, Tuticorin, Chennai, Visakhapatnam, Paradip, Haldia
- International Airports: Amritsar (Raja Sansi), Delhi (Indira Gandhi International), Mumbai (Chhatrapati Shivaji), Chennai (Meenambakkam), Kolkata (Netaji Subhash Chandra Bose), Hyderabad (Rajiv Gandhi)

6. Answer the following questions.

- 1) Explain the process of unification of Italy.
- 2) Describe the process of unification of Germany.
- 3) What did Liberal Nationalism stand for? Explain any four ideas of Liberal Nationalists in the economic sphere.
- 4) How had the female figures become an allegory of the nation during nineteenth century in Europe? Analyse.
- 5) “The Civil Disobedience Movement was different from the Non-Cooperation Movement”. Support the statement with examples.
- 6) Explain with examples the role of industrialists in the freedom struggle of India.
- 7) How did different social groups conceive the idea of ‘Non-Cooperation’? Explain with examples.
- 8) Explain five points about Gandhiji’s idea of ‘satyagraha’.
- 9) Why is there a need to conserve the resources? What was Gandhiji’s opinion regarding the conservation of resources
- 10) Human activities have contributed significantly in land degradation. Explain by giving examples.

- 11) Give the main features of Alluvial soil and black soil.
- 12) Explain different methods of Soil Conservation suitable to Indian condition.
- 13) What is the main difference between the federal form of Government and unitary form of government? Explain with examples.
- 14) Describe major features of federal form of government.
- 15) Explain the three fold distribution of legislative powers between the union government and the state governments.
- 16) How federalism is practiced in India?
- 17) What led to the ethnic tension in Belgium? Why it was more acute in Brussels?
- 18) Define the term Majoritarianism. How has it increased the feeling of alienation among the Sri Lankan Tamils? Explain.
- 19) Give the difference between prudential reasons and moral reasons.
- 20) Why horizontal distribution of power often is referred to as a system of checks and balances? Explain.