GURU AMAR DASS PUBLIC SCHOOL, MODEL TOWN, JALANDHAR

HOLIDAYS' HOME WORK, JUNE 2025
CLASS - X

ENGLISH

LITERATURE

I. Read the lesson **'Glimpses of India'** and answer the following questions:

1) How was the village baker very important for special occasions in the village? What kind of dress did he wear?
2) Is bread an important part of Goan life? How do you know this?
3) The baker was the friend, companion and guide of the children. Give a pen portrait of a Goan village baker.
4) Write an account of the life of the people of Coorg. Where is it located?
5) What are the popular theories regarding the descent of the people of Coorg?
6) What does the writer say about the natural beauty of Coorg?
7) What did Rajvir see during his train journey? Why was he more excited than his friend Pranjol?
8) What are the legends related to the discovery of tea?

II. Read the lesson **'Making of a Scientist'** and answer the following questions:

1) "Science shows a connection between structure and function." Show this to be true in connection with the spots Ebright saw on Monarch pupas.
2) What were the factors which contributed in making Ebright a scientist?
3) Why did Richard Ebright tag a flock of butterflies?

CREATIVE WRITING

1) Write a letter to the editor of an English daily making a plea to the common people to switch over to solar energy to conserve electricity and limit electricity bills.
2) You are Kushal living at 123, Gaur City, Bengaluru. The continuous leaking of drain pipes in your colony is causing diseases and health complications for the residents. Write a complaint letter to the Municipal Commissioner to take necessary actions regarding the same.
3) The Computer Hub, Chanakyapuri, New Delhi has advertised a discount of 20% on all types of computers and related hardware. You are Rahul, owner of Softpoint Innovations, 110-111 Nehru Place, New Delhi. Place an order for suitable items for your company.

- Revise all the work done.
- Read newspaper every day.
- Learn forms of verbs
- Follow a disciplined routine during holidays.
- Eat healthy stay healthy

NOTE
KINDLY DO YOUR HOLIDAYS HOMEWORK IN YOUR REGULAR ENLISH NOTEBOOK. BE ORIGINAL. ANYTHING COPIED FROM INTERNET WILL NOT BE CHECKED AND NO MARKS WILL BE GIVEN

PUNJABI

- ਮੁਹਾਵਰੇ -ਗਾ,ਘ ਯਾਦ ਕਰੋ।
- ਲੇਖ ਰਚਨਾ -

1. ਪੜ੍ਹਾਈ ਵਿੱਚ ਖੇਡਾਂ ਦਾ ਸਥਾਨ
2. ਇਤਿਹਾਸਿਕ ਸਥਾਨ ਦੀ ਯਾਤਰਾ
3. ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਮੱਸਿਆ
4. ਸਮਾਜ, ਦੇਸ਼ ਅਤੇ ਅੰਤਰਰਾਸ਼ਟਰੀ ਪੱਧਰ ਤੇ ਸ਼ਾਂਤੀ ਦਾ ਸੁਨੇਹਾ ਦਿੰਦਾ ਕੋਈ ਪੋਸਟਰ ਬਣਾ ਕੇ ਪਿਆਰ ਦਾ ਸੁਨੇਹਾ ਦਿਓ।
- ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਏ ਗਏ ਕੰਮ ਦੀ ਦੁਹਰਾਈ ਕਰੋ

HINDI

1.स्पर्श पाठ्यपुस्तक के करवाए गए पाठों की दोहराई कीजिए और अपनी कार्य पुस्तिकाएँ

पूरी कीजिए ।

2. अनुच्छेद लिखें-

(i) जीवन में नैतिक मूल्यों की आवश्यकता

(ii) प्रकृति से खिलवाड़ न करें

3.'कड़क शक्ति ड्रिंक ' के लिए एक विज्ञापन बनाइए ।

4. आप विद्यालय के सचिव है और विद्यालय में होली मेला आयोजित करना चाहते हैं । इस

संबंध में लगभग 60 शब्दों में सूचना लिखिए।

5. समास और उसके भेद, मुहावरे, वाक्य परिवर्तन, पदबंध की दोहराई कीजिए।

MATHEMATICS

ASSIGNMENT OF CH-1, CH-2, CH-3, CH-4

1. The length, breadth and height of a room are 8 m 25 cm, 6 m 75 cm and 4 m 50 cm, respectively. Determine the longest rod which can measure the three dimensions of the room exactly.   Ans.75cm

2. Three sets of English, Hindi and Mathematics books have to be stacked in such a way that all the books are stored topic wise and the height of each stack is the same. The number of English books is 96, the number of Hindi books is 240 and the number of Mathematics books is 336. Assuming that the books are of the same thickness, determine the number of stacks of English, Hindi and Mathematics books.   Ans. 2,5,7

3. In a seminar, the number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively. Find the minimum number of rooms required if in each room the same number of participants are to be seated and all of them being in the same subject.   Ans.21

4. Find the largest number which exactly divides 280 and 1245 leaving remainders 4 and 3, respectively.   Ans.138

5. The HCF of two numbers is 145 and their LCM is 2175. If one number is 725, find the other no.   Ans.435

6. The HCF of two number is 16 and their product is 3072 . find their LCM.   Ans.192

7. Determine the greatest number of 6 digits exactly divisible by 24, 15 and 36   Ans.999720

8. Find this smallest number which leaves remainder 8 and 12 when divided by 28 and 32 respectively.   Ans.204

9. Find the zeroes of $\sqrt{3}x^2 + 10x + 7\sqrt{3}$ Ans. $-\sqrt{3}, \dfrac{-7}{\sqrt{3}}$

10. If the product of the zeroes of the polynomiai ax² - 6x - 6 is 4, then find the value of a. Also find the sum of zeroes of the polynomial. Ans. a = -3/2, Sum= -4

11. If one zero of the quadratic polynomial (x) = 4x² - 8kx + 8x - 9 is negative of other, than find the zeroes of kx²+ 3kx + 2. Ans. -2,-1

12. If one zero of the polynomial (k + 1)x² - 5x + 5 is multiplicative inverse of other, find the zeroes of kx² - 3kx + 9 . Where K is constant. Ans. 3/2,3/2

13. Find a quad polynomial whose one zero is 5 and product of zeroes is 30. Ans. x²-11x +30

14. Show that 1/2 and - 3/2 are the zeroes of the polynomial 4x² + 4x - 3 and verify the relationship between zeroes and co-efficient of the polynomial.

15. Find the value of K so that the following system of equations has no solution
3x-y-5=0, 6x-2y+k=0. Ans.K≠ -10

16. For which values of p does the pair of equation given below has unique solution?
4x+py +8=0 and 2x + 2y + 2 = 0 Ans. P≠4

17. Determine K for which the system of equations has infinite solutions: 4x + y = 3 and 8x + 2y = 5k. Ans.6/5

18. Prove that √2 + √5 is an irrational no.

19. If α, β are zeroes of the polynomial f(x) = x² - 5x + K such that $\alpha - \beta = 1$, Find K. Ans.6.

20. Il α, β are zeroes of quadratic polynomial P(s) = 3s² - 6s + 4 Find value of
$$\frac{\alpha}{\beta} + \frac{\beta}{\alpha} + 2\left(\frac{1}{\alpha} + \frac{1}{\beta}\right) + 3\alpha\beta$$ Ans. 8

21. Solve the following system of linear equations graphically: x-y=1 and 2x+y=8. Shade the area bounded by these two lines and y axis.Also determine this area. Ans.(3,2) Ar.=13.5sq.units

22. Find the value of k for which the following system of linear equations has infinite solutions.
x +(k+1)y =5 and (k+1)x +9y =8k-1. Ans. K=2

23. A person can row downstream 20 km in 2 hours and upstream 4 km in 2 hours. Find the speed of boat in still water and that of the current. Ans.(6,4)

24. Places A and B are 180 km apart on a highway. One car starts from A and another from B at the same time. If the car travels in the same direction at different speeds, they meet in 9 hours. If they travel towards each other with the same speeds as before,they meet in an hour. What are the speeds of two cars? Ans.100km/hr,80km/hr

25. There are two examination rooms A and B. If 10 candidates are sent from A to B the number of students in each room is same. If 20 candidates are sent from B to A the number of students in A is double the number of students in B. find the number of students in each room. Ans.100,80

26. It can take 12 hours to fill a swimming pool using two .If the pipe of larger diameter is used for 4 hours and the pipe of smaller diameter for 9 hours, only half of the pool can be filled. How long would it take for each pipe to fill the pool separately? Ans. 20hrs, 30 hrs

27. Out of a number saras birds, ¼th of the number are moving about in Lotus plants ,1/9$^{\text{th}}$ coupled with 1/4$^{\text{th}}$, as well as 7 times the square root of the number moving on a hill,56 birds remain on tress.What is the total number of birds? Ans. 576

28. The speed of boat in still water is 8km/hr . It can go 15km upstream and 22 km downstream in 5 hours. Find speed of stream. Ans. 3km/hr

29. Solve the following for the value of x : $\dfrac{1}{a+b+x} = \dfrac{1}{a} + \dfrac{1}{b} + \dfrac{1}{x}$ Ans. x =-a, -b

30. If -5 is the root of quadratic equation $2x^2+px-15=0$ and $p(x^2+x)+k=0$ has equal roots. Find the value of p and k. Ans. P=7, k= 7/4

31. Two pipes running together can fill a tank in $2\frac{8}{11}$ minutes. If one pipe take 1 minute more than the other to fill the tank. Find the time taken by each pipe. Ans 5min, 6min

32. Using quadratic formula solve the following quadratic equations:
    (i)$p^2x^2+(p^2-q^2)x-q^2=0, p\neq 0$. (ii) $9x^2-9(a+b)x+(2a^2+5ab+2b^2)=0$

    Ans.(i)-1,q^2/p^2 (ii) (2a+b)/3, (a+2b)/3

❖ **NOTE: DO ALL THE EXAMPLES FROM NCERT BOOK AND ABOVE ASSIGNMENT ON SEPARATE NOTEBOOK**.

SOCIAL SCIENCE

- History /Civics

    1. Prepare on A4 Sheets Movement led under the leadership of Mahatma Gandhi

    2. Flow chart on the working of Federalism

    3. Different political parties of India with their symbols on A 4 sheet

    4. Ideology of BJP and Aap party on A 4 sheet

- Geography homework:

    1. Revise the chapter covered in Class thoroughly.

    2. Practice Map: India-soil   India- states

- Economics- Revise the syllabus done in class.

SCIENCE

Solve all the assignments (physics , chemistry, biology) in your class notebooks as send in the **Class Group.**

INFORMATION TECHNOLOGY

- Make a chart on any 1 topic: Mobile Computing, Data Science, Artificial Intelligence, 3D Graphics, Computer Security, Cryptography, Robotics.
- Make a Digital Poster and Magazine cover page on any 1 topic in Ms Word and apply proper formatting.

    ➢ Artificial Intelligence
    ➢ Robotics
    ➢ Cyber security
    ➢ Internet of things
    ➢ Data Science
    ➢ 5G Network Technology