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HOLIDAY HOMEWORK 2022-23

CLASS- X

ENGLISH:- (1) First Flight

(i) Learn and write word meanings of chapter 1, 2, 3, 4 (ii) read summary of poem 1, 2, 3 and write these in your home work note book. (iii) Write an learn question-answer of chapter 1, 2, 3, 4

(2) Foot Print Without Feet

(i) Learn and write word meanings of chapter 1, 2, 3, 4 (ii) read and write summary of chapter 1, 2, 3, 4 in your home work note book. (iii) Write an learn question-answer of chapter 1, 2, 3, 4 in your home work note book.

Grammar:- (i) Write and learn personal pronouns table of passive helping verbs in your home work note book. (ii) Learn the rules and write them in your home work diary (rules of changing reporting verb and reported speech of narration) (iii) write 3 letters to the editor on various subjects (iv) write a letter to your friend inviting him/her on your birthday.

हिन्दी:- (1) तुलसीदास जी का जीवन परिचय लिखिए।

(2) शब्दालंकार तथा अर्थालंकार को स्पष्ट रूप से समझाइए तथा इनके भेद भी लिखिए।

(3) अलंकार से आप क्या समझते हैं?

(4) 'माता का अँचल' नामक कहानी के अनुसार बच्चों की जो दुनिया रची गई है वह आपके बचपन की दुनिया से किस तरह भिन्न है?

(5) हमारे संविधान में जिन 22 भाषाओं को मान्यता प्राप्त है उन भाषाओं का सुन्दर सा चार्ट बनाइए।

(6) 'महिला सशक्तिकरण' नामक शीर्षक पर एक निबंध लिखिए।

MATHS:- (i) Prove that one and only one out of n , $n+2$ and $n+4$ is divisible by 3 where n is any positive integer.

(ii) Show that the square of any positive integers is of the form $4q$ or $4q+1$ for some integer q .

(iii) Using Euclid's division algorithm, find largest number that divides 1251, 9377 and 15628 leaving remainders 1, 2 and 3 respectively.

(iv) Prove that $\sqrt{3} + \sqrt{5}$ is a irrational.

(v) Show that 12^n cannot end with digit 0 or 5 for any natural number n .

(vi) Find a quadratic polynomial whose sum and product of the zeroes are $-\frac{8}{3}$, $\frac{4}{3}$ respectively.

(vii) Given that the zeroes of the cubic polynomial $f(x) = x^3 - 6x^2 + 3x + 10$ are of the form a , $a+b$, $a+2b$ for some real numbers a and b , find the value of a and b as well as the zeroes of the given polynomial.

(viii) Given that $\sqrt{2}$ is a zero of the cubic polynomial $6x^3 + \sqrt{2}x^2 - 10 - 4\sqrt{2}$, find its other two zeroes.

SCIENCE:-

Physics:- (1) Make a chart paper of image formation of concave mirror. (2) Difference between concave & convex mirror. (3) Solving the numerical problem of concave & convex. (4) Write the use of concave & convex mirror. (5) Working modal of electric circuit.

Biology

- Q.1** Why do herbivores have longer, small intestine than carnivore?
- Q.2** Write the chemical equation for the process of photosynthesis?
- Q.3** How photosynthesis occur in desert plants?
- Q.4** In single celled organisms diffusion is sufficient to meet all their requirements of food, exchange of gases or removed of waste but it is not in case of multi cellular organisms. Explain the reason for their difference.
- Q.5** Draw a neat labeled diagram of human alimentary canal.
- Q.6** Explain the process of nutrition in amoeba.
- Q.7** How do guard cells regulate the opening and closing of the stomata?
- Q.8** Draw a neat labeled diagram of opened and closed stomata.
- Q.9** Prepare a creative charts of anyone life process.
- Q.10** Perform an activity to prove that air is released through stomata. Submit the video of it along with the report on it. Mention your conclusion too.

SOCIAL STUDIES:- (i) prepare a chart of classification of soils (ii) a short note on conservation of soil and resources. (iii) Your area also witnessing land degradation what measures are required to check such problem. (iv) When you experience soil erosion in your fields, what steps are needed to slow down the pace?

COMPUTER :- (i) Visit the website w3schools.com and learn about HTML tags. (ii) Prepare a file and write essay on topic "misuses of computer technology in present era" in about 1000 words.

Note:- Summer holiday homework is available on school website:- www.santkarshnipublicschool.in and respective classes whatsapp groups.