HOLIDAYS HOMEWORK-CLASS X (2023-24)

SUBJECT-SOCIAL SCIENCE

NOTE- Two activities have been given. .

These activities are compulsory for all. Students should use pictures, diagrams, data, pie charts, and case study etc. Project should be neat and clean and proper. Presentation should be proper. Hand made diagrams and pictures will be given preference. In Project Students will also write -Biodata,introduction,Acknowledgement, Index Introduction Bibliography, conclusion and remarks.Project should be handwritten only.

ACTIVITY NO -1 CBSE-SUBJECTIVE PROJECT

Prepare a project on the topic **CONSUMER RIGHTS.** Students are expected to apply the Social Social Science concepts in order to prepare the project report.

Students can also take help from News Papers,Magazines , Other resource books and Economics Book of class X.for preparing the project.

Activity -2 CBSE ART INTEGRATED PROJECT

Prepare a project on the Topic **Physical Features and Demographic aspects of Manipur Under following headings**

PHYSICAL FEATURES-

- **Geographical location of Manipur on Map of India**
- **Physical features of Manipur-**
- **Total area covered by mountains(which ranges),Plain Area,Vallies, Plateaus, Rivers etc.**

DEMOGRAPHIC ASPECTS-

- **Total Area and total districts**
- **Density of population in each state(show throw pie charts or bar graph)**
- **Sex ratio in each state**
- **Working and dependent population**
- **Literacy Rate**
- **Birth and death ratio, Growth rate.**
- **Different social groups of Manipur.**

Prepare the chapters of UT-2.

Class -10 (IT)

– Take printout of holiday homework and bring it on button folder.

1. Create your own bio data not exceeding 1 page.

2.Do task 2 & 3 given in page 135 & 136.

3. Do all task under practical work given in page 143.

4. Create a presentation on the topic “Stress Management”.(Slide limit 10).

CLASS – X
Science

Dear Parents & students

Vacation is an excellent time to learn new skills. It is a welcome break for the children to enjoy and explore things in their own way. Here are some interesting and fun-filled activities for the children to learn and keep them occupied during the holidays

1. Revise the explained chapters with all extra questions-answers.
2. Read and Learn any 20 scientific keywords from the following chapters:
   a) Chemical, Reactions and Equations
   b) Life Processes
   c) Light- Reflection and Refraction
   d) Acids, Bases and Salts
   e) Control and Coordination
3. Answer the following questions in a interleaf notebook.
   (a) Write and learn the chemical formula of the following compounds.
   (i)Lime (ii) Nitric Acid (iii) Plaster of Paris (iv) Sodium acetate (v) Baking soda (vi) Washing soda (vii) Bleaching powder (viii) King of chemical (ix) Lime stone (x) Common Salt
   (b) Write the formula of acid and base with their chemical name used to form the given salts.
   (i)Potassium Sulphate (ii) Zinc Chloride (iii) Ammonium Chloride (iv) Barium Sulphate.
   (c) Write the name of acid present in the following substance in tabular form.
   (i)Apple (ii) Curd (iii) Vinegar (iv) Lemon (v) Orange (vi) Bee sting (vii) Tamarind
   (d) Write the name of some (at least 10) chemical compounds that you use in your day to day life. Classify them as acids, bases and salts.
   (e) Write formula of 5 chemical substances which contain:
   (i)Sulphate (ii) Acetate (iii) Hydroxide (iv) Bicarbonate (v) Nitrate
   (f) Draw the following diagrams:
      (i) Cases of image formation through lens.
      (ii) Cases of image formation through mirror.
      (iii) Detail diagram of Human eye.
   (g) The diagram shows a dish antenna which is used to receive television signals from a satellite. The antenna (signal detector) is fixed in front of the curved dish.
      (i) What is the purpose of the dish?
      (ii) Should it be concave or convex?
      (iii) Where the antenna should be positioned to receive the strongest possible signals?
      (iv) Explain what change you would expect in the signals if a large dish was used?
4. Solve 1 to 14 Numerical problems given on pg. No. 53 (Physics reference book) in science physics H.W file & Solve UT -1 paper (set - 1 & set – 2) in question bank register.
5. Write activity 1 and activity 2 in your science activity file from the given attached document.
6. Indulge yourself in some physical activity like Yoga and deep breathing exercises in the morning. Add protein rich food in your meal to boost your immunity.
7. Make a chart on do's and don’ts of COVID-19 virus
8. Art Integrated Project:

ENGLISH HOLIDAY HOMEWORK

CLASS-10

1. Prepare a A-4 size poster on any 1 of the 17 SDGs and write a small write up about it.

2. Make a tabular presentation of poetic device (10) alongwith 2 examples from the text.

3. Maintain a personal diary any write your daily routine / visit to some place or any other activity you did in vacations.

4. Prepare U.T-2 syllabus.

Submit your homework in a handmade folder.

ART INTEGRATED ACTIVITY (MANIPUR)

Note : Collect the information about topics given below and write an Analytical Paragraph about it.

a) Tourist Footfall - National - / International
from (1950 - 2022)

b) Occupation in Manipur (Ratio - Men / Women)
from (1950 - 2022)

c) Literacy Rate of the state of Manipur
from (1950-2022)

d) Forests of Manipur, unique animals found in % from (1950- 2022)

e) Endangered and Extinct Animals
from (1950-2022)

f) Different kinds of handicrafts and their export in %
from (1950-2022)

Holidays H.W

Class – X

Sub – maths

Q.1. Check whether 6^n can end with the digit 0 for any natural no. n.

Q.2. Explain why $20 \times 8 \times 6$ is a composite no.

Q.3. Find the H.C.F and L.C.M of 255 and 867

Q.4. Find the H.C.F and L.C.M of $a^2b\,c^3$ and ab^2c^3

Q.5. Prove that $3+\sqrt{5}$ is an irrational no.

Q.6. Solve:- $4\sqrt{25} + 3\sqrt{49} + \sqrt{3 \times 147}$

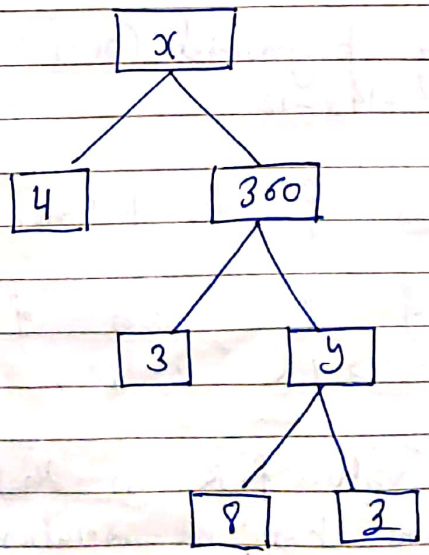
Q.7. Write the following nos. in decimal form.

(i) $\frac{77}{150}$ (ii) $\frac{35}{50}$ (iii) $\frac{365}{50}$

Q.8. Find the H.C.F and L.C.M of 8, 12, 15.

Q.9. Two tankers contain 850 litres and 680 litres of petrol. Find the maximum capacity of a container which can measure the petrol of each tanker in exact number of times.

Q.10. Complete the following factor tree and find the values of x, y and z



Q.11. If α and β are zeroes of the polynomial $2x^2 - 5x + 3$ then find the value of

(i) $\alpha + \beta$ (ii) $\alpha \cdot \beta$ (iii) $\frac{1}{\alpha} + \frac{1}{\beta}$

Q.12. Find zeroes of the polynomial
$x^2 - 7$

Q.13. If one zero of the polynomial is $2+\sqrt{3}$, find other zero if polynomial is $x^2 - 4x + 1$

Q.14. Find a quadratic polynomial whose zeroes are 3 and $\frac{1}{3}$.

Q.15. Check whether $x-2$ is a factor of the polynomial $x^2 + 5x + 2$

Q.16. Find zeroes of the polynomial $3x^2 - x - 4$ and verify the relationship between zeroes and the co-efficients

Q.17. Draw the graph of the polynomial
$y = x^2 + 2x - 3$

Q.18. If zeroes of the polynomial $x^2 + (a+1)x + b$ are 2 and -3, then find the values of a and b.

Q.19. If sum of the squares of zeroes of the polynomial $x^2 - 8x + k$ is 40, find the value of k.

Q.20. Find zeroes of the Polynomial $4x^2 - 8x + 4$

Q.21. Solve the following equations graphically
$2x + y = 0$
and $3x + 2y = -2$

Q.22. Solve the following equations.
$\frac{x}{2} + \frac{y}{3} = 7$
and $\frac{x}{4} + \frac{y}{3} = 6$

Q.23. Find the value of k so that the following equations has no solution.

$$3x - y = 5$$
$$\text{and} \quad 6x - 2y + k = 0$$

Q.24. Find the value of k so that the following system of equations has infinite solutions.

$$6x - 2y - 10 = 0$$
$$\text{and} \quad 12x - 4y + 2k = 0$$

Q.25. Find whether the following pair of linear equations is consistent or inconsistent.

$$3x + 2y = 8$$
$$\text{and} \quad 6x - 4y = 9$$

Q.26. How many solutions does the pair of equations $y = 0$ and $y = -5$ has?

Q.27. Find the solution of $2x + 3y = 9$ and $3x + 4y = 5$ using substitution method.

Q.28. Solve the following equations using elimination method

$$4x - 3y = 8$$
$$\text{and} \quad 6x - y - \frac{29}{3} = 0$$

Q.29. Solve:-

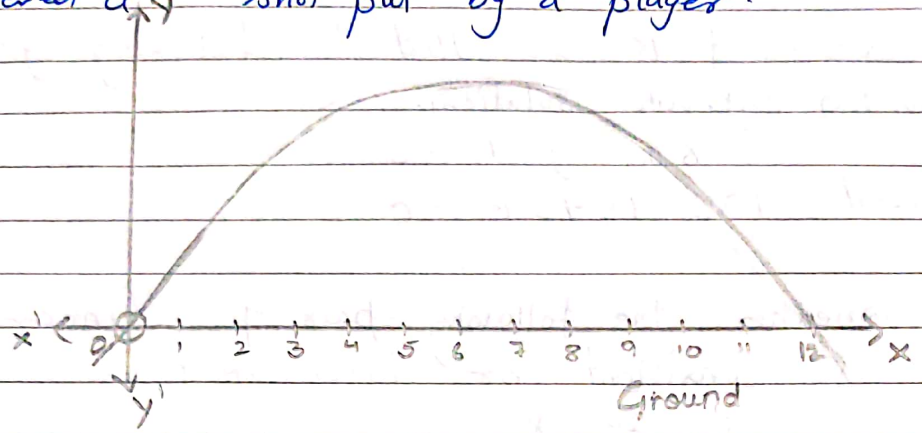
$$4x + \frac{6}{y} = 15$$
$$\text{and} \quad 6x - \frac{8}{y} = 14$$

Q.30.

$$\frac{x}{a} + \frac{y}{b} = a + b$$
$$\text{and} \quad \frac{x}{a^2} + \frac{y}{b^2} = 2.$$

Case-Study 1 →

During an iter school competition, a shot put event was organised. The objective of this game is to throw a heavy ball (known as a shot) as far as possible. The graph given below depicts the path covered a shot put by a player.



Based on the above information, answer the following questions →

(i) Name the shape of the path covered by the shot.

(ii) What is the no. of zeroes of the polynomial representing the above graph.?

(iii) Find the polynomial representing the above graph.

Case-Study 2 →

Two students A and B went to a library to return some books. The library has a fixed charge for the first two days and an additional charge for each day thereafter. Student A was issued a book for 10 days and charged Rs 94 Whereas, Student B was issued a book for 8 days and was charged Rs. 78

Art - Integrated Project

* Physical and demographic aspects of Manipur

* Activity 1. Show that two Polygons of the same no. of sides are similar if
(i) their corresponding angles are equal
(ii) their corresponding sides are in the same ratio.

* Activity 2.
A town B is located 36 Km east and 15 Km north of the town A. How would you find the distance from town A to town B without actually measuring it.

* Learn and write (2 to 20) tables (10 times)

← End →

कक्षा दसवीं
विषय हिंदी
ग्रीष्म अवकाश हेतु गृह कार्य (2023-24)

निर्देश:-कार्य को स्वच्छता से करें व भाषा की वर्तनी पर विशेष ध्यान दें।

1. संत कवि सूरदास के समकालीन किसी अन्य कवि के पदों का संकलन करते हुए सचित्र एक परियोजना कार्य तैयार कीजिए। (लगभग तीन-चार शीट में) प्रस्तुतीकरण आकर्षक और प्रभावशाली होना चाहिए।

अथवा

"सूरदास के पदों"की सबसे बड़ी विशेषता है, गोपियों की वाकपटुता, गोपियों ने अपनी वाकपटुता से ज्ञानी उद्धव को भी निरुत्तर अर्थात परास्त कर दिया। सूरदास की गोपियों की विशेषताओं का सचित्र वर्णन कीजिए।

2.भारत में ऐसे कौन से महापुरुष हुए जिन्होंने सामाजिक बुराइयों का डटकर विरोध किया व उन्हें सफलता भी मिली। (किसी एक पर सचित्र लेख लिखे)

3. "मणिपुर की भौतिक विशेषताएं व संस्कृति" पर (लगभग 2,3 पृष्ठ में) एक सचित्र परियोजना कार्य तैयार कीजिए।

4. हिंदी में अनेक छायावादी कवि हुए हैं, किन्हीं दो कवियों की रचना को A4 साइज शीट पर सचित्र लिखें

5. मणिपुर की लोक संस्कृति को दर्शाते हुए एक विज्ञापन बनाएं।

4 करवाए गए पाठ्यक्रम को याद करें।