

Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable at the same time educative. It is a sincere request to all to complete holiday assignment on time. Engage yourself whole heartedly as you will learn a lot through it.

### **HERE ARE FEW TIPS FOR YOU TO FOLLOW:-**

- Revise the entire syllabus done in the class. **Homework should be done on A4 size sheets in your handwriting and maintain a file of it.**
- Get up early in the morning and pray.
- Keep your room clean and well organised.
- Assign a permanent place and work time.
- Play indoor games.
- Help your mother, do small household work like dusting, serving water, watering plants and so on.

### **NOTE:-**

#### **METHOD OF SUBMISSION –**

**1. MAKE A PDF OF YOUR HANDWRITTEN WORK.**

**2. SEND THE VIDEOS, PHOTOS OR PDF TO THE CONCERED (SUBJECT) TEACHERS EMAIL ID.**

1. आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए और संक्षिप्त जानकारी प्राप्त करके लिखिए----
  - पी०टी० उषा
  - किरणबेदी
  - बचेंद्रीपाल
2. पिछले 20 - 25 वर्षों में हुई वैज्ञानिक खोजों , उपकरणों की सूची बनाइएजिसने मानव जीवन बदल दिया है।
3. नीति संबंधी कोई पांच दोहे अर्थ सहित एक चार्ट पर लिखिए तथा कवि का चित्र भी चिपकाइए

**Extra Work**

- a) एवरेस्ट मेरी शिखर यात्रा पाठ के प्रश्नों के उत्तर लिखिए और याद कीजिए।
- b) व्याकरण के पृष्ठ 285 पर दिए गए अध्याय ' शब्द - विचार ' के अंतर्गत पाठ 2, 3 और 4 के पर्यायवाची शब्द , विलोम शब्द तथा श्रुतिसम भिन्नार्थक शब्द (1 से 20 तक ) याद करो और अभ्यास कार्य पूरा करो ।

**URDU**

Choose one of the following to make a couplet:-

- Corona
- National Integration
- Education

کرونا پر، تعلیم پر، یا پھر کسی قومی یکجہتی پر اپنی دس لائیں لکھیں۔

Revise the chapters well and do practice of these extra questions.

Class tests will be conducted immediately after the reopening of the schools.

**I. LINES AND ANGLES**

***Practice all these questions***

Q1. Write the complement of each of the following angles:

- (i)  $20^\circ$                       (ii)  $35^\circ$                       (iii)  $90^\circ$                       (iv)  $77^\circ$                       (v)  $30^\circ$

Q2. Write the supplement of each of the following angles:

- (i)  $54^\circ$                       (ii)  $132^\circ$                       (iii)  $138^\circ$

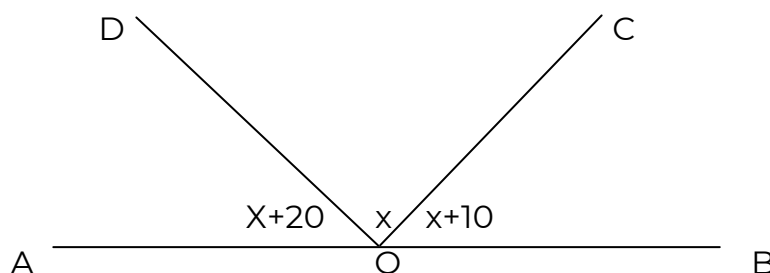
Q3. If an angle is  $28^\circ$  less than its complement, find its measure.

Q4. If an angle is  $30^\circ$  more than one half of its complement, find the measure of the angle.

Q5. Two unequal angles of a parallelogram are in the ratio 2 : 3. Find all its angles in degrees.

Q6. Two supplementary angles are in the ratio 4 : 5. Find the angles.

Q7. In the given below Fig, find  $x$ . Further find  $\angle BOC$ ,  $\angle COD$  and  $\angle AOD$ .



Q8. Fill in the blanks so as to make the following statements true:

- (i) If one angle of a linear pair is acute, then its other angle will be \_\_\_\_\_
- (ii) A ray stands on a line, then the sum of the two adjacent angles so formed is \_\_\_\_\_

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(iii) If the sum of two adjacent angles is  $180^\circ$ , then the \_\_\_\_\_ arms of the two angles are opposite rays.

Q9. Which of the following statements are true (T) and which are false (F)?

- (i) Angles forming a linear pair are supplementary.
- (ii) If two adjacent angles are equal, and then each angle measures  $90^\circ$ .
- (iii) Angles forming a linear pair can both be acute angles.
- (iv) If angles forming a linear pair are equal, then each of these angles is of measure  $90^\circ$ .

**II. HERONS FORMULLA**

Q1. Find the area of a triangle whose sides are respectively 150 cm, 120 cm and 200 cm.

Q2. Find the area of a triangle whose sides are 9 cm, 12 cm and 15 cm.

Q3. The perimeter of a triangular field is 540 m and its sides are in the ratio 25 : 17 : 12. Find the area of the triangle.

Q4. The perimeter of a triangle is 300 m. If its sides are in the ratio 3 : 5 : 7. Find the area of the triangle.

Q5. Find the area of a quadrilateral ABCD in which AB = 42 cm, BC = 21 cm, CD = 29 cm, DA = 34 cm and diagonal BD = 20 cm.

Q6. A hand fan is made by stitching 10 equal size triangular strips of two different types of paper. The dimensions of equal strips are 25 cm, 25 cm and 14 cm. Find the area of each type of paper needed to make the hand fan.

Q7. A triangle and a parallelogram have the same base and the same area. If the sides of the triangle are 13 cm, 14 cm and 15 cm and the parallelogram stands on the base 14 cm, find the height of the parallelogram.

Q8. Sides of a triangle are in the ratio of 12: 17:25 and its perimeter is 540 cm. Find its area.

Q9. A triangle and a parallelogram have the same base and the same area. If the sides of the triangle are 20 cm, 28 cm, and 30 cm and the parallelogram stands on the same base 28 cm, find the height of the parallelogram.

Q10. Find the area of the triangle, two sides of which are 18 cm and 10 cm and the perimeter is 42 cm.

### **III. EUCLID'S GEOMETRY**

Read the introduction of Euclid Geometry, Definitions, Axioms, postulates and elements.

Write all in the fair notebook.

Maintain records properly.

*Practice this worksheet:*

Q1. Find the area of a triangle whose sides are 9 cm, 12 cm and 15 cm.

Q2. Find the area of a quadrilateral ABCD in which AB = 42 cm, BC = 21 cm, CD = 29 cm, DA = 34 cm and diagonal BD = 20 cm.

Q3. The perimeter of a triangle is 300 m. If its sides are in the ratio 3 : 5 : 7. Find the area of the triangle.

Q4. Two unequal angles of a parallelogram are in the ratio 2 : 3. Find all its angles in degrees.

Q5. Express each of the following decimals in the form  $p/q$ :

(i) 0.39

(ii) 0.750

(iii) 2.15

Q6. Check whether the first polynomial is a factor of the second polynomial by applying the division algorithm:

(i)  $(t) = t^2 - 3$ ;  $(t) = 2t^4 + 3t^3 - 2t^2 - 9t$

(ii)  $(x) = x^2 - 3x + 1$ ,  $f(x) = x^5 - 4x^3 + x^2 + 3x + 1$

(iii)  $(x) = 2x^2 - x + 3$ ,  $(x) = 6x^5 - x^4 + 4x^3 - 5x^2 - x - 15$

### **Reading Skills**

1. Read the chapters 2 and 3 from 'Moments' Supplementary Reader and write the answers for the questions followed by in the class work copy. Also find difficult words for the same chapters.
2. Read the Newspaper daily and write one news article under the given headings like National, International, Sports, Glamour, Business and express your views on it.

### **Writing Skills**

1. Internet is a storehouse of knowledge and wisdom nowadays and it is hazardous too. Write an article on the topic 'The benefits and harms of using internet'. Word limit is 180-200 words.
2. You encountered two strange people. They were different from normal human beings but they were quite interesting and exciting. As Manish\Manisha, using your ideas, write a story in about 150-200 words narrating your experience with them.
3. Write a letter to the chairman, Water Authority, in upto 120-150 words, on the problems related to scarcity of water. Also suggest a few effective remedies.

### **Thinking Skills**

1. Write a self composed poetry on the given topics with minimum 4 stanzas
  - hope
  - my school my pride
  - belief

## **PHYSICS**

Read physics chapter 'Forces and laws of motion', carefully and prepare any one small activity related to Newton's first law, 2nd law or 3rd law of motion.

**Example** – You can prepare any activity at home explaining inertia or momentum or Newton third law - every action has equal and opposite reaction, Newton 1st law - body continuous to be in state of rest or motion unless external force is applied on it. Record this activity (*including Aim, Materials required, Procedure, Observation, Conclusion, Precautions*) on an A4 size sheet and click the picture of your activity and paste it on an A4 size sheet along with your activity.

To prepare a brief write up on air, water and soil pollution.

1. Draw a flow chart on the classification of matter.
2. Differentiate between:-
  - (I) Latent heat of Fusion & Vaporization
  - (II) Boiling point & Evaporation
3. Convert the following into °C
  - (I) 579K
  - (II) 212°F
  - (III) 187°F
4. Write short notes on
  - (I) Sublimation
  - (II) Centrifugation
  - (III) Crystallization.

**SOCIAL SCIENCE**

1. Prepare “My own Atlas” on the following topics :

A. Physical Map 1

- a) Tropic of Cancer ( also locate states on tropic of cancer)
- b) Standard Meridian
- c) Latitudinal Extent and longitudinal extent
- d) Southernmost point of India
- e) Northernmost point of India
- f) Easternmost point
- g) Westernmost point

B. Physical Map 2

- a) Neighbouring Countries of India
- b) Islands

C. Political Map 1

- a) Indian States with capitals
- b) Union Territories

D. Political Map 2

- a) States sharing International boundaries

2. Prepare picture book on different types of natural vegetation found in India, detailing its features, types of trees found, wild life and regions (use only one or two photos for one type forest).

3. Read sources A& B of page no. 61 of history text book and answer the questions by using critical thinking skill

- a) What do they tell you about Hitler’s imperial ambition?
- b) What do you think Mahatma Gandhi would have said to Hitler about these ideas?

4. By using creative skill, create a mind map on Social Skills.



**COMPUTER**

A. Create a presentation using MS - PowerPoint to highlight the current affairs from 1<sup>st</sup> July 2021 to 25<sup>th</sup> July'2021.

The presentation must have:

- The File name Current Affairs.pptx
- 10 - 15 slide excluding Welcome/Topic/Your Details & Thank you slides.
- A theme or background design.
- More visual effect than text.
- Transition effects.
- Sound effect

B. Create a workbook using MS - Excel for marks record.

The worksheet must have:

- The File name Marks Record.xlsx.
- The Field/Column name as given:

Roll No.	Name	English	Hindi	Science	Maths	S. Sc.	Computer	Total	%age

- 20 Records.
- Formulas in Columns showing Total &Percentage.
- Table design.
- Formatting effects of your choice.
- Chart to display your marks record graphically.
- Formatted Legend in Chart

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## **MUSIC**

Attempt any 3 of your choice

1. Briefly describe the professional history of any 2 Indian Musicians
2. Write a paragraph of the history of any 2 Musical Instruments
3. Write 1 English Pop Song
4. Write 1 Patriotic Song
5. Sing a song or play an instrument, record a video and send

## **ART**

Art- Landscape with poster colour (size $\frac{1}{2}$ chartpaper).

Craft- Pot with P.O.P and Paper sculpture