

**ARMY PUBLIC SCHOOL, PATIALA**  
**HOLIDAY'S HOMEWORK**  
**CLASS - VIII (2023-24)**

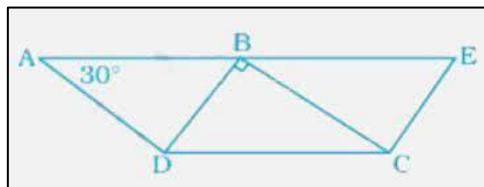
**SUBJECT – ENGLISH**

1. Make a presentation on one of the greatest scientist 'Stephen Hawking'.
2. Watch a video on HPS Ahluwalia. State a brief account on his expedition to Mt. Everest.
3. Make a Brochure on 'Food /cuisine', 'Land, climate, rivers and dams, vegetation' and places to visit and dress/clothes of Odisha.
4. Description of any three poets with pictures.
  - a)William Shakespeare
  - b)John Keats
  - c)William Blake
  - d)Rabindranath Tagore
  - e)Nissim Ezekiel
  - f)A.K Ramanujan
5. Write catchy Articles in 180-200 words, on any three of the following topics:
  - a)Stress Management during preparation of exams
  - b)Mushrooming Coaching Centres : Boon or Bnae
  - c)The deteriorating values in teens
  - d)Skill Based Education
6. Do Notice writing Q 4 ,5 and 6 (page 149) of Superb Grammar.
7. Make a poster on A3 size sheet on the following topics:
  - a)World Tobacco Day (Roll no. 1-10)
  - b)Women Empowerment (Roll no. 11-20)
  - c)Child labour (Roll no. 21-30)
  - d)Social media (Roll no. 31-40)
8. Learn and write 10 examples of each poetic devices- Alliteration, simile, metaphor, anaphora, hyperbole, repetition, enjambment and personification.
9. Learn all the covered syllabus upto May.
10. Do your vacation task in a file.

**SUBJECT – MATHS**

**(A) Answer all the questions**

1. Name a quadrilateral whose all sides are equal, opposite angles are equal and the diagonals bisect each other at right angles.
2. In the given figure, ABCD and BDCE are parallelograms with common base DC. If  $BC \perp BD$ , then  $\angle BEC$  is equal to \_\_\_\_\_.



3. Find the number of sides of a regular polygon whose each interior angle is of measure  $135^\circ$ .

4. Solve for 'x' :  $\frac{2x-3}{4x+5} = \frac{1}{3}$

5. State whether True or False.

(a) All angles of a trapezium are equal.

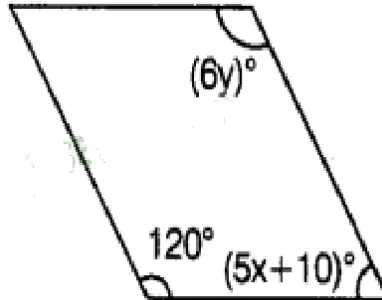
(b) All squares are rectangles.

(c) All kites are squares.

(d) All rectangles are parallelograms.

(e) Rectangle is a concave quadrilateral.

6. Find the values of x and y in the following parallelogram:



7. If  $\frac{x}{3} + 1 = \frac{7}{15}$ , then find the value of  $5x - 3$ .

8. Find the value of 'y' in the given equation:  $\frac{y-(4-3y)}{2y-(3+4x)} = \frac{1}{5}$

9. Fill in the blanks:

(a) Zero has \_\_\_\_\_ reciprocal.

(b) The numbers \_\_\_\_\_ and \_\_\_\_\_ are their own reciprocals.

(c) The reciprocal of a negative rational number is \_\_\_\_\_.

(d) The equivalent rational number of  $\frac{7}{9}$  whose denominator is 45 is \_\_\_\_\_.

(e) The reciprocal of  $\frac{2}{5} \times \frac{(-4)}{9}$  is \_\_\_\_\_.

10. Solve for 'm':  $\frac{5(1-m)+3(1+m)}{1-2m} = 8$

11. Find the value of 'x':  $\frac{x}{2} - \frac{1}{4}\left(x - \frac{1}{3}\right) = \frac{1}{6}(x+1) + \frac{1}{12}$

12. Find the product of additive inverse and multiplicative inverse of  $\frac{2}{-5}$ .

13. Verify the commutative property of multiplication over addition for the following values of 'a', 'b' and 'c':

$$a = \frac{-1}{2} \quad b = \frac{3}{4} \quad c = \frac{1}{4}$$

14. Name the property used in each of the following:

(a)  $\frac{2}{3} \times \left(\frac{3}{4} \times \frac{5}{7}\right) = \left(\frac{2}{3} \times \frac{3}{4}\right) \times \frac{5}{7}$

(b)  $-\frac{7}{4} \times \frac{-3}{4} = -\frac{3}{4} \times \frac{-7}{4}$

$$(c) \frac{-2}{3} \times \left(\frac{3}{4} \times \frac{1}{5}\right) = \left(\frac{-2}{3} \times \frac{3}{4}\right) + \left(\frac{-2}{3} \times \frac{1}{5}\right)$$

$$(d) \frac{3}{8} \times 1 = 1 \times \frac{3}{8} = \frac{3}{8}$$

$$(e) \frac{2}{3} + \left(\frac{-2}{3}\right) = 0$$

15. Find the additive inverse and multiplicative inverse of the following rational numbers:

(a)  $\frac{2}{-3}$

(b) 0

(c) -1

(d)  $1\frac{1}{3}$

(e) -100

**(B) Revise Chapter 1, 2 and 3,**

**(C) Learn tables from 2 to 25.**

## SUBJECT – SCIENCE

**Q1.** Define the following terms:

- Crop
- Irrigation
- Weedicides
- Winnowing
- Antibiotics
- Pasteurization
- Fermentation
- Vaccination
- Animal Husbandry
- Crop Rotation

**Q2.** Differentiate between the following

- Kharif and Rabi crops
- Manures and Fertilizers
- Communicable and Non-communicable diseases
- Drip irrigation and Sprinkler irrigation

**Q3.** Paste 3 samples each of Kharif and Rabi crops in small plastic packets and name them.

**Q4.** Explain uses and harmful effects of microorganisms.

**Q5.** Grow two plants in two different pots. Add manure in one of them. Observe the growth of plants and prepare a report on it.

**Q6.** A farmer lives in an area where water is present in limited amount. Suggest and explain the methods to the farmer by which he can grow the crops using less water.

**Q7.** Dear students make an integrated project on similarities and dissimilarities among flora and fauna of Punjab and Orissa.

\* National park and sanctuaries of both states

\* Vegetation of both states

- \*Climatic conditions of both states.
- Can be compared You can take any two points.
- You can take a scarp file/ assignment sheets/ or chart.
- \* Acknowledgement,Content
- \*5-6 pages of information
- \* Bibliography

## SUBJECT – SOCIAL STUDIES

### → Social Science Art Integrated Project

Activities in the form of \*Collage, PPTs, Handicrafts, Scrap File

<u>ROLL NO.</u>	<u>TOPICS</u>
<b>Roll No 1-6</b>	Culture heritage of Odisha
<b>Roll No. 7- 12</b>	Tourist places of Odisha
<b>Roll No. 13-18</b>	Government of Odisha
<b>Roll No -19- 24</b>	Geographical Features of Odisha
<b>Roll No-25- 30</b>	History of Odisha
<b>Roll No-31 onwards</b>	Art and Temples of Odisha

- Complete your pending work of Social Science\*
- Read and Learn the chapters thoroughly for PA 1\* :-

**History :** Chapter - 1 and 2

**Civics :** Chapter - 1

**Geography :** Chapter - 1

## SUBJECT – SANSKRIT

नोट – सभी कार्य उत्तर कार्य पुस्तिका में करें ।

1. संस्कृत भाषा के कोई भी दो श्लोक लिखें एवं याद करें।
2. धातु रूप:- खाद् , भू , गम् लट् एवं लृट् लकार में लिखें एवं याद करें।
- 3 . शब्द रूप:- मात् , राजन् लिखें एवं याद करें।
4. संख्या :- 60 से 80 तक संख्या लिखें एवं याद करें।

## SUBJECT – HINDI

नोट – प्रश्न 2 से 5 तक का कार्य व्याकरण की कॉपी में करें ।

गतिविधि :-

1. उड़ीसा के हस्त –शिल्प के बारे में जानकारी प्राप्त कर भित्ति-पत्रिका (SCRAP FILE) में सचित्र लगाएँ ।
2. अनुच्छेद लेखन – ‘मनोरंजन के आधुनिक साधन’  
संकेत बिंदु – मनोरंजन की आवश्यकता , मनोरंजन के विभिन्न साधन , मनोरंजन के लाभ ।

3. पत्र –लेखन :- ग्रीष्मावकाश में शिमला बुलाने के लिए शिमला के मित्र द्वारा दिल्ली के मित्र को निमंत्रण पत्र ।

4. लघु-कथा :- मेहनत की कमाई

संकेत बिंदु – (आलसी लड़का , पैसों से भरा एक बैग , बिना प्रयास के ही इतने सारे पैसे , व्यर्थ खर्च , कार्य करने की कोई आवश्यकता नहीं ,कद्र और उपयोगिता )

5. चित्र –वर्णन :-

अपने पसंद के किसी एक चित्र को कॉपी पर लगाकर उसका 5 से 7 पंक्तियों में वर्णन कीजिए ।

### **SUBJECT – PUNJABI**

ਪ੍ਰਦੂਸ਼ਣ ਅਤੇ ਮੋਬਾਈਲ ਦੇ ਲਾਭ ਤੇ ਹਾਨੀਆਂ ਲਿਖੋ।

### **SUBJECT – COMPUTER**

1. Make a presentation of five slides which will include introduction, network types, network topology, communication channels and protocols. Apply different slide transition and animation effects on the slides and save your presentation by your name, class and section. E-mail your presentation to your computer teacher.
2. Define the following terms: Database, Data Sheet View and Data Type in your computer notebook.

### **SUBJECT – ART**

**NOTE:-** Do your work in Art book and Art file.

**TOPICS:-** Cityscape one point perspective (page number 7)  
Blending Stump ( page number10)  
Form Solid Shapes(page number 14, 15)  
Architecture (page number- 16.17)

**ACTIVITY:-**

Anime Character (page number-43)  
Product Art (page number-48)  
Collage Making (Still life) page number-47

**Poster Making-**

1. Fight the Pandemic
2. Yoga