

**Nankana Sahib Public School, Gill Park, Ludhiana**

**Class VIII**

# Holidays Homework



## ENGLISH

### Academic Tasks

- Practice the first five unseen passages from BBC.
- Make a colourful chart on Tenses.
- Do one Invitation and Replies (Page 128 – Grammar Focus) in your English notebook.
- complete worksheets on:

Synonyms, Antonyms, Idioms and Phrases, Homophones

(Page 450–457 from BBC)

### ART-INTEGRATED ACTIVITY

‘Green Advertisement Campaign’ (Create an advertisement promoting eco-friendly habits like say No to plastic, save water or Plant more trees.

- Revise all the Literature completed in class.

## HINDI

1. "पंचतंत्र की कहानियाँ" या "अकबर-बीरबल की कहानियाँ" पढ़ कर किसी एक कहानी को संवाद का रूप दीजिए।

2. अनुच्छेद लेखन: (कोई एक लगभग 100-120 शब्द)

- "मेरी गर्मी की छुटियाँ"
- "मेरा प्रिय त्योहार"
- "पर्यावरण की रक्षा क्यों आवश्यक है?"
- वृक्षारोपण भी त्योहार

### 3. पत्र लेखन:

अपनी दादी/नानी को पत्र लिखें और बताएं कि आप छुटियों में क्या-क्या कर रहे हैं।

### 4. रचनात्मक लेखन:

- "यदि मैं पक्षी होता.. विषय पर लगभग 100 शब्दों में अपने विचार लिखिए। (सचित्र)  
Roll no.-1-20
- "यदि मैं प्रधानमंत्री होता। विषय पर लगभग 100 शब्दों में अपने विचार लिखिए। (सचित्र)

Roll no.-21-43

### 5. Newsletter ke liye स्वरचित कविता लिखें।

### 6. 'नटराज पेंसिल' पर एक आकर्षक विज्ञापन बनाइए।

### NOTE-

- DO HOLIDAY HOMEWORK IN YOUR HINDI FAIR NOTEBOOK
- Write स्वरचित कविता on A4 size sheet. Mention your Name & Class with section

## PUNJABI

- ਪਾਠ – 3,4,6, (ਹਰ ਪਾਠ ਵਿੱਚੋਂ ਘੱਟੋ ਘੱਟ 10-10 ਨਵੇਂ ਪ੍ਰਸ਼ਨ ਬਣਾ ਕੇ ਉੱਤਰ ਲਿਖੋ)
- ਪਾਠ – 5,6,8,9 (ਸ਼ਬਦ ਅਰਥ, ਪ੍ਰਸ਼ਨ/ ਉੱਤਰ, ਅਭਿਆਸ ਕਾਰਜ ਯਾਦ ਕਰੋ)
- ਲੇਖ - ਚੰਗੇ ਵਿਦਿਆਰਥੀ ਦੇ ਗੁਣ, ਗਲੇਬਲ ਵਾਰਮਿੰਗ, ਬਿਜਲੀ ਦੀ ਬੱਚਤ (ਪੱਕੀ ਕਾਪੀ ਤੇ ਲਿਖੇ ਅਤੇ ਯਾਦ ਕਰੋ)
- ਕੋਈ ਵੀ ਸਵੈ ਲਿਖਤ ਰਚਨਾ (ਕਵਿਤਾ, ਕਹਾਣੀ, ਵਿਅੰਗ, ਲੇਖ, ਅੱਖੀਂ ਡਿੱਠੀ ਘਟਨਾ, ਸਫ਼ਰਨਾਮਾ ਆਦਿ ਰੂਪ ਵਿੱਚ A4 size ਸ਼ੀਟ ਤੇ ਲਿਖੇ) ਨੋਟ - ਰਚਨਾ ਮੌਲਿਕ ਹੋਣੀ ਚਾਹੀਦੀ ਹੈ।
- ਹਰ ਵਿਦਿਆਰਥੀ ਨੇ ਆਪਣਾ ਪੋਰਟਫੋਲੀਓ ਬਣਾਉਣਾ ਹੈ, ਜਿਸ ਵਿੱਚ ਹੇਠ ਲਿਖੀ ਜਾਣਕਾਰੀ ਸ਼ਾਮਲ ਕੀਤੀ ਜਾਵੇ:-

\*ਆਪਣੇ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਜਿਵੇਂ ਨਾਮ, ਪਿਤਾ ਦਾ ਨਾਮ, ਮਾਤਾ ਦਾ ਨਾਮ, ਜਨਮ ਮਿਤੀ, ਸਕੂਲ ਦਾ ਨਾਮ, ਜਮਾਤ/ਸੈਕਸ਼ਨ, ਘਰ ਦਾ ਪਤਾ ਆਦਿ।

\*ਆਪਣੀ ਰੁਚੀ

\*ਰੋਜ਼ਾਨਾ ਦੀ ਸਮਾਂ ਸਾਰਣੀ

\*ਮੇਰਾ ਜੀਵਨ ਉਦੇਸ਼

\*ਮਨ ਭਾਉਂਦੇ ਅਧਿਆਪਕ ਉੱਤੇ ਲੇਖ ਲਿਖੋ। ਇਹ ਵੀ ਦੱਸੋ ਕਿ ਉਹ ਤੁਹਾਨੂੰ ਕਿਉਂ ਪਸੰਦ ਹਨ। (150-200 ਸ਼ਬਦ)

\*ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦੀਆਂ ਸਿੱਖਿਆਵਾਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਸਿੱਖਿਆ ਦਾ ਸਲੋਗਨ ਬਣਾਓ।

\* ਪੰਜਾਬ ਅਤੇ ਆਂਧਰਾ ਪ੍ਰਦੇਸ਼ ਦੀ (ਬੋਲੀ-ਲਿਪੀ ਅਤੇ ਲੋਕ-ਨਾਚ) ਨਾਲ ਸੰਬੰਧਿਤ ਅੰਤਰ ਨੂੰ ਦਰਸਾਉਂਦਾ A4 size sheet ਤੇ ਤਸਵੀਰਾਂ ਸਹਿਤ ਚਾਰਟ ਬਣਾਓ।

## SCIENCE

### General Instructions:

- Only students with assigned roll numbers are required to prepare PPT, Art Integrated Project and Model.
- Students with mentioned roll numbers have to prepare PPT, Art Integrated Project and Model individually.
- All students are required to complete workbook related task and fair notebook related work and revise the chapters included in the syllabus of P.T. - 2.
- The homework should be original and creative.
- The work will be graded based on neatness, creativity, and originality.

### Tips:

- Manage your time and avoid last-minute work.
- Revise the syllabus covered till May.
- Ask for guidance from parents only when needed; do your work independently.

1) Make a **POWERPOINT PRESENTATION** on the chapters allotted.

#### Roll No.

#### Chapter

1, 4, 7                  Crop Production and Management

10, 13, 16, 19       Coal and Petroleum

22, 25, 28, 31       Force and Pressure

34, 37, 40, 43       Friction

**Note :** The PPT should include at least 10 slides.

2) Prepare **ART INTEGRATED PROJECT** on traditional tools and modern tools used by farmers for crop production on A3 SIZE SHEET.

**Note :** Students with Roll Numbers 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40 and 43 are required to prepare Art Integrated Project.

3) Learn **Bookwork, Keywords and Q/A** of the chapters included in the **SYLLABUS OF P.T.- 2**.

Chapter - 8 : Force and Pressure

Chapter - 9 : Friction

4) Prepare one **MODEL (Proper labelled)** for **SCIENCE EXHIBITION**.

**Note:** Students with Roll Numbers 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40 and 43 are required to prepare a model for the Science Exhibition. Participation is mandatory for these students as this activity carries weightage in the Internal Assessment. For the remaining students, Internal Assessment will be based on activities scheduled after the month of July.

Participation in Science Exhibition is mandatory for the students whose roll numbers are mentioned. Any other student who wishes to participate in the Science Exhibition is also welcome to do so.

5) Complete your **FAIR NOTEBOOK**.

6) Do following **WORKSHEETS** of Chapter - 1 Crop production and Management, Chapter - 3 Coal and Petroleum, Chapter - 8 Force and Pressure and Chapter - 9 Friction on **WORKBOOK**.

Chapter - 1 : Worksheet 1.1, Worksheet 1.2

Chapter - 3 : Worksheet 3.1, Worksheet 3.2

Chapter - 8 : Worksheet 8.1, Worksheet 8.2

Chapter - 9 : Worksheet 9.1, Worksheet 9.2

## MATHS

- Prepare ch 1 to 5 thoroughly
- Maths periodic test 2 (23.7.25) Syllabus ch 3,4,13
- Prepare Maths model :-Roll no 2,5,8,11,14,17,20,23,26,29,32,35,38,41

### **Assertion Reasoning** In each of the following questions choose the correct option

- (a) If both Assertion (A) & Reason (R) are true & Reason (R) is the correct explanation of Assertion (A).  
(b) If both Assertion (A) & Reason (R) are true & Reason (correct explanation of Assertion (A)).  
(c) If Assertion (A) is true but Reason (R) is false.  
(d) If Assertion (A) is false but Reason (R) is true.

1. Assertion (A) : For any two rational numbers  $\frac{-3}{5}$  &  $\frac{2}{7}$ ,  $\frac{-3}{5} \times \frac{2}{7} = \frac{2}{7} \times \frac{-3}{5}$

Reason (R) : Rational numbers are commutative under multiplication.

(A) a (B) b (C) c (D) d

$$2. \text{Verify : } 2 \times \left( 3 + \frac{-3}{5} \right) = \left( 2 \times 3 \right) + \left( 2 \times \frac{-3}{5} \right)$$

$$3. \text{What should be subtracted from } \frac{27}{13} \text{ to obtain } \frac{-3}{7} ?$$

$$4. \text{Subtract the additive inverse of } \frac{6}{7} \text{ from the multiplicative inverse of } \frac{-4}{5} \times \frac{15}{16}$$

$$5. \text{Using the properties, simplify : } \frac{-5}{9} \times 3 + \frac{5}{3} + \frac{-5}{9} \times \frac{1}{3}$$

$$6. 5y - 19 = -3y + 9$$

$$7. 7p + 3 = 2(p - 2) + 8$$

$$8. \text{Solve for } y: 0.3y + 0.4 = 0.28y + 1.16$$

$$9. \text{Solve } \frac{6x+1}{3} + 1 = \frac{x-3}{6}$$

10. Solve and verify:

$$\frac{1-9y}{19-3y} = \frac{5}{8}$$

$$11. \text{Solve and verify: } 5x - 2(2x - 7) = 2(3x - 1) + 7$$

$$12. \text{Solve and verify: } \frac{17(2-x)-5(x+12)}{1-7x} = 8$$

ARQs

In each of the following questions, a statement of Assertion is given followed by a corresponding statement of Reason just below it. Of the statements, mark the correct answer as;

(a) If both assertion and reason are true and reason is the correct explanation of assertion.

(b) If both assertion and reason are true but reason is not the correct explanation of assertion.

(c) If assertion is true but reason is false.

(d) If assertion is false but reason is true

$$13. \text{Assertion: } 4x/5 + 4 = 3x/4 \text{ is linear equation.}$$

Reason: Four-fifth of a number is more than three fourth of the number by 4 is a statement of linear equation.

14.Assertion: $3x^2+9=1$  is reducible to linear equation.

Reason: In a linear equation, power of  $x$  will be 1.

#### Q 15: Case Study Questions

1) A group of 15 people went to watch a theatre show. The entry ticket for the adults was Rs 450 each and for children was Rs 250 each. The group paid Rs 5550 in all for the tickets.

Based on above information, answer the following questions.

(i) Write a linear equation for the above situation.

(ii) How many children were there in the group?

(iii) What amount was paid for the tickets of adults only?

2) Rohit wants to construct a house in the middle of a square plot of side 40 m .If the length of house is 10 m more than the breadth and perimeter is 60 m, then find

1) Area of the house

2) Cost of cementing the floor of the house at the rate of rs 20 per sq metre

3) Find the area of the remaining part .

16. A pie chart shows a student's daily routine: Study – 6 hrs, Sleep – 8 hrs, Play – 2 hrs, Others – 8 hrs.

a) Calculate the central angle for each part.

b) Draw the pie chart neatly using a compass and protractor.

17. The following data represents monthly expenditure: Rent – 30%, Food – 25%, Transport – 15%, Miscellaneous – 30%. Draw a pie chart to represent this data and label each sector with both percentage and angle.

18.. A survey showed these preferences for sports: Cricket –  $144^\circ$ , Football –  $72^\circ$ , Hockey –  $36^\circ$ , Others – rest.

a) Find the percentage for "Others".

b) Represent the data in a table and explain how the angles are calculated.

19. A bag contains 3 red, 5 blue, and 2 green balls. Find the probability of drawing:

a) A red ball

b) A blue ball

c) Not a green ball

Show all working steps and total number of outcomes clearly.



20. A card is drawn from a well-shuffled deck of 52 cards. Find the probability of getting:

- a) A king
- b) A red card
- c) A face card

Also explain what face cards are and how you calculated the values.

21.. There are 5 white, 4 black, and 1 red marble in a bag. A marble is drawn at random. Find the probability that it is not white. Explain the logic behind favorable and total outcomes.

22. Find the square root of 784 by prime factorization

23. The angles of a quadrilateral are in the ratio 3:4:5:6. Find all the angles

24. Find the greatest 4-digit number which is a perfect square.

25 Without calculating, find whether 8829 is a perfect square or not?

26. Find the least number which must be subtracted from 1000 to get a perfect square.

27. The area of a square plot is  $4489 \text{ m}^2$ . Find the length of one side.

28. A square has perimeter 96 cm. Find its area.

29. How many numbers lie between squares of 12 and 13?

30. Find the Square root of 99 using suitable identity.

31. Find the pythagorean triplet whose one member

Is (1) 15 (2) 28

32. Fill in the blanks:

- a) The horizontal line on a graph is called the \_\_\_\_\_.
- b) The point where the axes meet is called the \_\_\_\_\_.
- c) The vertical line on a graph is called the \_\_\_\_\_.
- d) The coordinates of the origin are \_\_\_\_\_

33. Plot the following points on a graph paper:

Point	x-coordinate	y-coordinate
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A	3	2
---	---	---

B	-2	4
---	----	---

C	-3	-1
---	----	----

D	0	-5
---	---	----

E      4      0

34. Draw a line graph using the table below showing the temperature of a city over a week:

Day      Temperature ( $^{\circ}\text{C}$ )

Monday      30

Tuesday      32

Wednesday      35

Thursday      33

Friday      31

Saturday      34

Sunday      30

35. The following table shows the number of books read by students in a week:

Student Name      No. of Books Read

Riya      5

Arjun      3

Sneha      4

Kabir      2

Tanya      6

Draw a bar graph to represent the data above.

36. A regular polygon has an exterior angle of  $40^{\circ}$ . How many sides does it have?

37. Find the measure of each interior angle of a regular octagon.

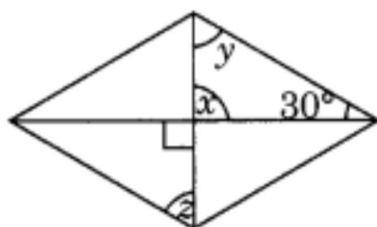
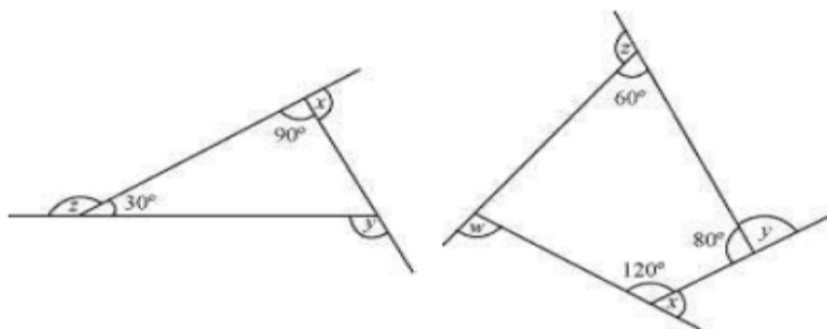
38. The sum of all interior angles of a polygon is  $1260^{\circ}$ . How many sides does it have?

39. One of the exterior angles of a regular polygon is  $24^{\circ}$ . Find the number of sides and each interior angle.

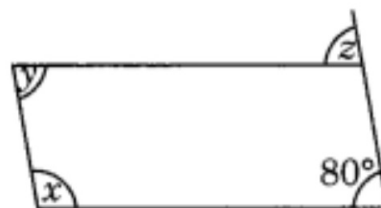
40. A regular polygon has 15 sides. Find the measure of one exterior and one interior angle.

41. Find unknown angles and values of  $x, y, z$

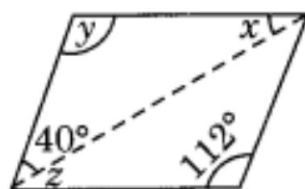




(iii)



(iv)



(iv)

## SOCIAL SCIENCE

1 . Prepare following Chapters for PT-2

Geography Ch. 2, History Ch. 3 and Civics Ch. 3

2. Make a **Flow Chart on Composition of Parliament** on **A-4 sheet**.

3. Make a **PPT** on any one of the given topics in a group of two students:

- \* Agriculture
- \* Industries
- \* Women , Caste and Reform
- \* Parliament
- \* Resources
- \* Revolt of 1857

4. Do the given assignment on separate sheets.

5. Make a **Model** on any one of the given topics in group of four students.

- \* Parliament House
- \* Resources and its types
- \* Indigo cultivation
- \* Types of Industries
- \* Balance of population
- \* Soil Profile

**\*NOTE: Social Science model will be made by following Roll Numbers :**

**3, 6, 9 ,12 ,15 , 18 , 21, 24 ,27 , 30, 33, 36, 39, 42**

**\*SOCIAL SCIENCE ASSIGNMENT\***

1: Choose the correct option:

1: What is the significance of 1757 in Indian history?

- (a) First Indian war of independence
- (b) Battle of Plassey
- (c) Birth of Mahatma Gandhi
- (d) Formation of the Indian National Congress

2: Who introduced the Ryotwari System in India?

- (a) Lord Cornwallis
- (b) Thomas Munro
- (c) Warren Hastings
- (d) Lord Ripon

3: According to Indian secularism, the State:

- (a) Promotes one religion
- (b) Does not interfere in religious matters
- (c) Intervenes when needed to ensure equality
- (d) Only protects majority religions

4: Resources that are limited in quantity and take millions of years to form are:

- (a) Renewable resource
- (b) Non-renewable resources
- (c) Natural resources
- (d) Sustainable resources

5: A key feature of democracy highlighted in the constitution is:

- (a) Rule by a single party
- (b) Equality and justice for all
- (c) Government control over religion

(d) The power of monarchy

**2: Fill in the Blanks**

- 1: A resource is any substance that has \_\_\_\_\_ and utility.
- 2: \_\_\_\_\_ is wise and careful use of resources.
- 3: The \_\_\_\_\_ is responsible for maintaining law and order in the state.
- 4: The \_\_\_\_\_ system was introduced by the East India Company in 1793
- 5: The \_\_\_\_\_ is also called the House of the People.

**3: True or False**

- 1: The judiciary is independent of the executive and the legislature in India.
- 2: Official records are the only source of history.
- 3: Natural resources are always unlimited.
- 4: The Mahalwari System was introduced in the Bengal Presidency.
- 5: The President of India is the head of the government

**4: Answer the following in one word**

- 1: Resources that are found in a region but have not been utilised
- 2: First law-making body in India
- 3: Species of animals or plants that are in danger of extinction.
- 4: What term is used to describe British rule in India?
- 5: Who introduced the Permanent Settlement in Bengal?

**5: Answer the following questions:**

- 1: What is the problem with the periodisation of Indian history that James mill offers?
- 2: Mention any three reasons of conflict between Bhimchand, King of Bilaspur and Gobind Rai Ji.
- 3: Why were the ryots reluctant to grow Indigo?
- 4: What is the difference in who exercises executive powers in 2 constitutions of Nepal?
- 5: Difference between renewable and non-renewable resources.
- 6: What is plantation agriculture?

7: What are some principles of sustainable development?

8: Mention five principles of Khalsa.

9: What were the circumstances which led to the eventual collapse of Indigo production in Bengal?

10: Why does a democratic country need a constitution?

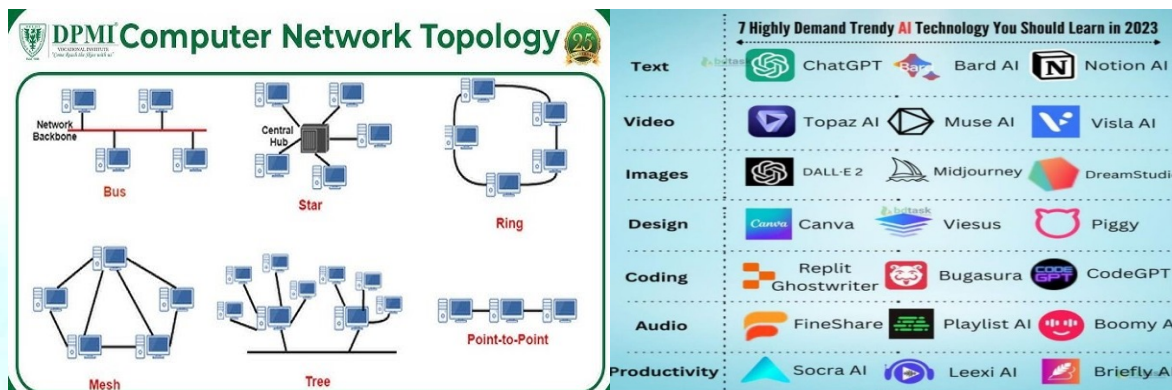
## COMPUTER

1. Learn Chapter No. 3(**Base – Introduction, filter and sorting**) and Chapter No. 6(**Networking and Digital Citizenship**) for test after the Holidays.

2. Prepare a Chart from any one of the following topics:-

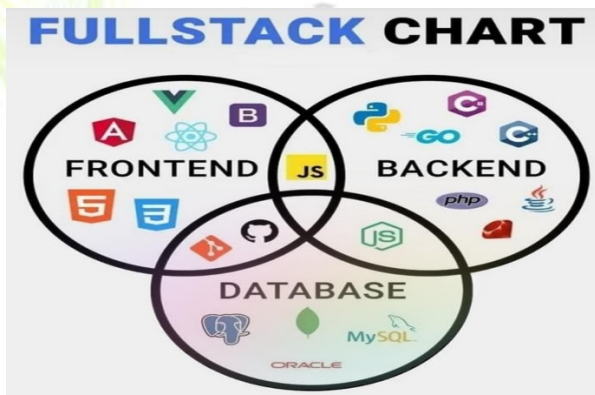
- ❖ Types of Network / Types of Topologies
- ❖ Trending AI Technologies.
- ❖ Network Protocols / Full Stack Chart
- ❖ Popular Mailing Apps / Logo of messengers

You can take the examples of the following pictures to prepare a chart or you can take the help of internet to search the above given topics. **Use A3 sheet only to prepare your charts.**





Protocol	How does It Work?	Use Cases
HTTP	TCP Connection HTTP REQ HTTP RESP	Web Browsing
HTTP/3 (QUIC)	UDP Connection 1 2 3	IoT Virtual Reality
HTTPS	TCP Connection public key session key encrypted data	Web Browsing
WebSocket	HTTP Upgrade Full Duplex	Live Chat Real-Time Data Transmission
TCP	SYN SYN + ACK ACK	Web Browsing Email Protocols
UDP	REQUEST RESPONSE	Video Conferencing
SMTP	sender SMTP Server receiver	Sending/Receiving Emails
FTP	Control Channel Data Channel	Upload/Download Files



**NOTE:-** Dear students PDF of both the chapters has been sent in your class group. So, if you have not completed your work till now, you can take the help of PDF to complete your books.

