

SSC ACADEMY SR. SEC. SCHOOL, BHORA KALAN

WINTER HOLIDAY HOMEWORK

CLASS – VII

Instructions:

- Revise PA-4 Syllabus of all the subjects.
- Do complete syllabus in a separate notebook.
- Prepare 1 Chapter of each subject and you've to explain the chapter in front of the class like Teacher.

Subject- English

1. Write a paragraph on the topic of 'Importance of Education' word limit (100-120).
2. Write one self – composed poem on the topic of nature.
3. Write all the eight parts of speech with definition and examples. Make it attractive by pictures.
4. Learn Ch- A Midsummer Night's Dream, Poem- Lord Ullin's Daughter
5. Solve exercise work of Ch- 11 Preposition, Ch-12 Conjunction and Ch-14 Articles in English Grammar Notebook.

Subject- Hindi

- (1) 'नीलकंठ' तथा ' भोर और बरखा' पाठ याद करो तथा अभ्यास-पुस्तिका में लिखकर देखो।
- (2) हाकी के प्रसिद्ध खिलाड़ी धनराज पिल्लै के बारे में जानकारी एकत्र करें तथा A4 साईज शीट पर लिखें।
- (3) महाभारत पाठ – 31 से 35 तक पढ़ो तथा प्रत्येक पाठ में से पांच-पांच प्रश्न स्वयं बनाएं तथा उत्तर अभ्यास-पुस्तिका में लिखो।
- (4) प्रयोगशाला में आप से गलती से एक जार टूट गया। जिसके लिए आप पर पांच सौ रुपये का जुर्माना किया गया है। प्रधानाचार्या जी से क्षमा याचना करते हुए प्रार्थना-पत्र लिखो।
- (5) आज आप बहुत खुश हैं क्योंकि आपने अपनी कक्षा में प्रथम स्थान प्राप्त किया है। अपने विचार डायरी में लिखो।
- (6) हिन्दी व्याकरण प्रश्न पत्र एक तथा प्रश्न पत्र दो अपनी अभ्यास-पुस्तिका में करें।

नोट:- दिए गए पाठ का भलीभांति अभ्यास करें तथा व्याख्या करें।

Subject-Mathematics Sunflower

Que1. Write equations for the following statements.

- | | |
|---------------------------------------|---|
| a) The sum of numbers x and 4 is 9. | d) If you take away 6 from 6 times y, you get 60. |
| b) Ten times a is 70. | e) If you add 3 to one-third of z, you get 30. |
| c) The number b divided by 5 gives 6. | |

Que2. Solve the following.

- a) The teacher tells the class that the highest marks obtained by a student in her class are twice the lowest marks plus 7. The highest score is 87. What is the lowest score?
- b) In an isosceles triangle, the base angles are equal. The vertex angle is 40° .
- c) What are the base angles of the triangle? (Remember, the sum of three angles of a triangle is 180° .)

Que3. Solve the following equations by trial and error method. $3m - 14 = 4$.

Que4. Write the following equations in statement forms.

(i) $p + 4 = 15$

(ii) $m - 7 = 3$

(iii) $2m = 7$

(iv) $\frac{m}{5} = 3$

(v) $\frac{3m}{5} = 6$

(vi) $3p + 4 = 25$

(vii) $4p - 2 = 18$

(viii) $\frac{p}{2} + 2 = 8$

Que5. Solve the following equation:

$16 = 4 + 3(t + 2)$

$4 + 5(p - 1) = 34$

Que6. Set up equations and solve them to find the unknown numbers in the following case:

Anwar thinks a number. If he takes away 7 from $\frac{5}{2}$ of the number, the result is 23.

Que7. Express each of the following as a product of prime factors only in exponential form:

(i) 108×192

(ii) 270

(iii) 729×64

(iv) 768

Que8. Simplify:

(i) $((2^5)^2 \times 7^3) / (8^3 \times 7)$

(ii) $(25 \times 5^2 \times t^8) / (10^3 \times t^4)$

(iii) $(3^5 \times 10^5 \times 25) / (5^7 \times 6^5)$

Que9. Express the following numbers in standard form:

(i) 5,00,00,000

(ii) 70,00,000

(iii) 3,18,65,00,000

(iv) 3,90,878

Using laws of exponents, simplify and write the answer in exponential form:

1. $3^2 \times 3^4 \times 3^8$

2. $6^{15} \div 6^{10}$

3. $a^3 \times a^2$

4. $7^x \times 7^2$

5. $(5^2)^3 \div 5^3$

6. $2^5 \times 5^5$

7. $a^4 \times b^4$

8. $(3^4)^3$

9. $(2^{20} \div 2^{15}) \times 2^3$

10. $8^t \div 8^2$

Subject- Mathematics (Non Sunflower)

1. Find the complement of each of the following angles:

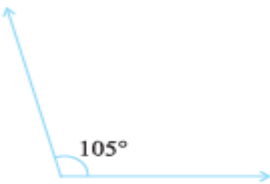


(a)

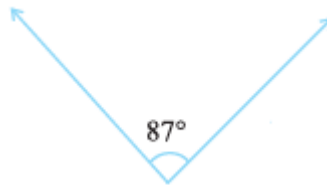


(b)

2. Find the supplement of each of the following angles:



(a)



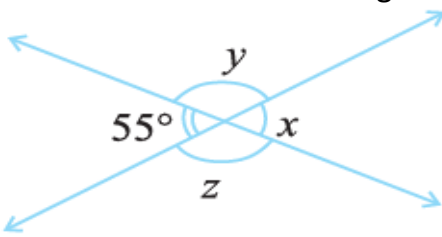
(b)



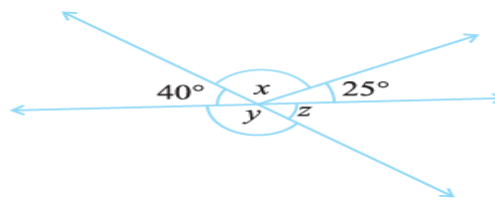
(c)

3. Find the angles which are equal to their complement.

4. Find the values of the angles x, y, and z in each of the following:

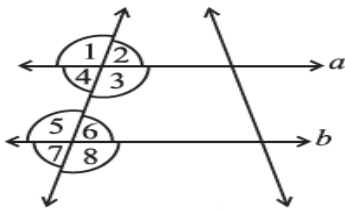


(a)

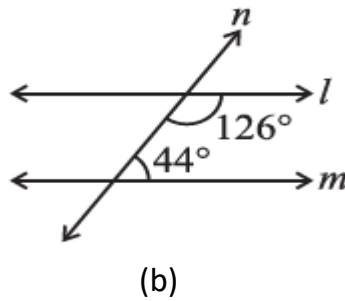
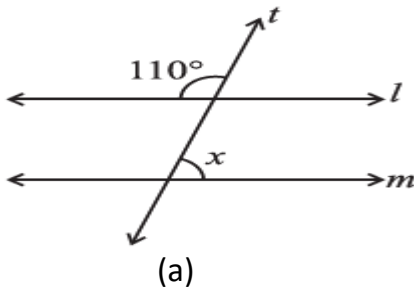


(b)

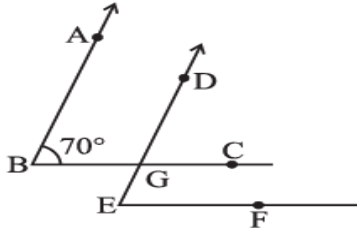
5. State the property that is used in each of the following statements?



6. Find the value of x in each of the following figures if $l \parallel m$.

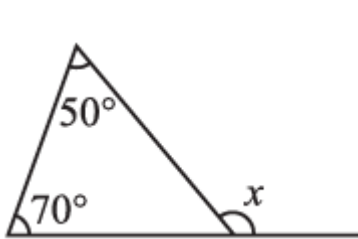


7. In the given figure, the arms of the two angles are parallel.

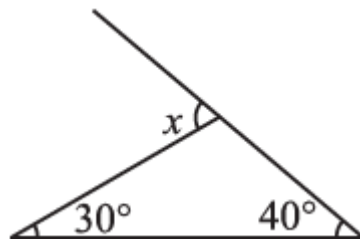


If $\angle ABC = 70^\circ$, then find: (i) $\angle DGC$ (ii) $\angle DEF$

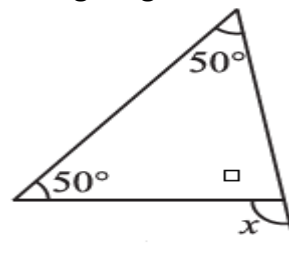
8. Find the value of the unknown exterior angle x in the following diagram:



(a)

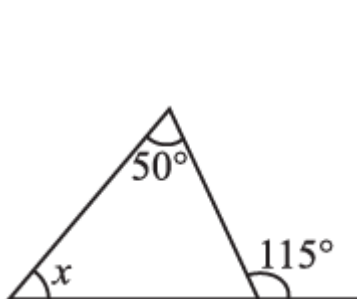


(b)

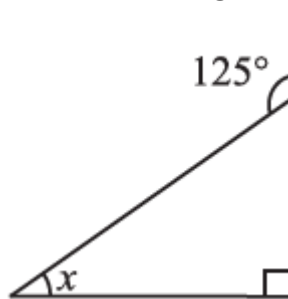


(c)

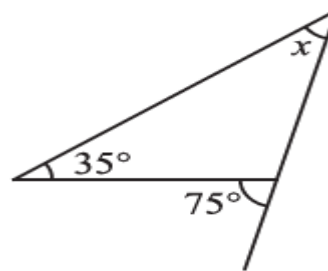
9. Find the value of the unknown interior angle x in the following figures:



(a)

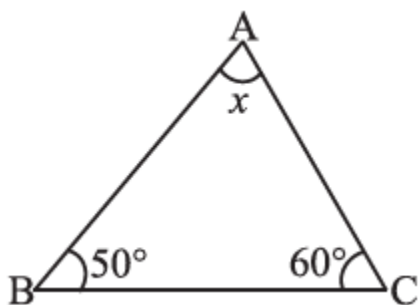


(b)

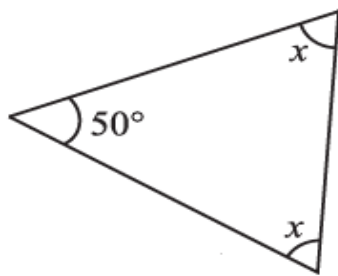


(c)

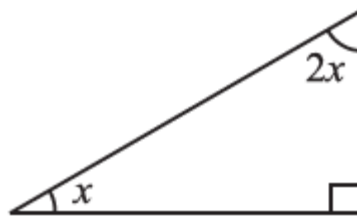
10. Find the value of the unknown x in the following diagrams:



(a)



(b)



(c)

11. ABC is a triangle, right-angled at C. If $AB = 25$ cm and $AC = 7$ cm, find BC.

12. A 15 m long ladder reached a window 12 m high from the ground on placing it against a wall at a distance a. Find the distance of the foot of the ladder from the wall.

Subject- Science

1. Draw a neat pH scale (0–14) and label:

Strong acids

Weak acids

Neutral substances

Weak bases

Strong bases

Add examples like lemon juice, milk, soap, baking soda.

2. Create your own natural indicator using any one:

Turmeric

China rose petals

Red cabbage

Write a short report:

Materials used

Steps followed

Color change with acid and base

3. Conclusion (what did you observe?)

A Day Without Forests – Diary Entry ☐

Imagine forests suddenly disappear for one day.

Write a one-page diary entry describing: Changes in air, water, animals, climate

How human life is affected

4. Learn Ch- Acid, base and salt and forest: our lifeline

Subject- Computer

1. Learn Chapter - 8 Lists and Tables in HTML5, Chapter-9 Algorithmic Intelligence

2. Activity work: Make a Chart According to Roll Number

Rollno. 1 to 10 - Components of Computer

Rollno. 11 to 20 - Devices used in Smart Home

Rollno. 21 to 30 - Left and Right brain of a human process the data (at Page no-134)

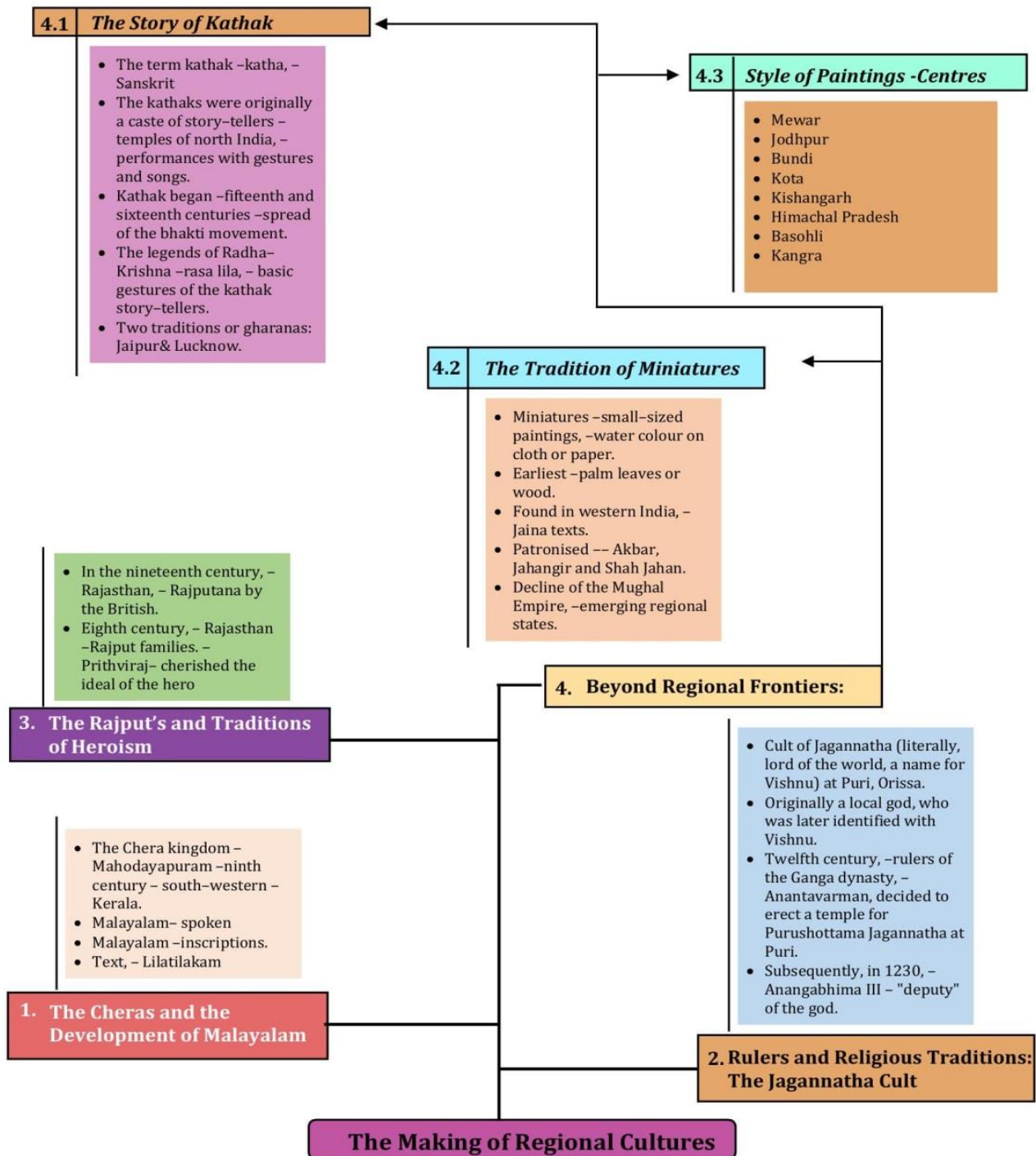
Rollno. 31 onwards - Varieties of Apps

Tips for Holiday Homework

✓ ☐ Write neat and clean content with proper headings.

- ✓ ☐ Use colored pens and drawings where required.
- ✓ ☐ Submit homework on time with your name and class written properly.

Subject- Social Science



Eighteenth Century Political Formations

The Crisis of the Empire and the Later Mughals

Factors

- Aurangzeb -depleted military
- Financial resources
- Efficiency administration broke down.
- Appointment of Governors
- Diwani and Faujdari
- Extraordinary political, economic, and military powers over

After Aurangzeb

- 1739- ruler of Iran, Nadir Shah, sacked and plundered the city of Delhi
- 1748 & 1761- Ahmad Shah Abdali, -invaded north India five times between
- 2 major groups- the Irani's and Turanis

Mughal emperors

- Farrukh Siyar (1713-1719)
- Alamgir II (1754-1759)
- Ahmad Shah (1748-1754)
- Shah Alam II (1759-1816).

Emergence of New States

Reasons

- Decline in the authority of the Mughal emperors
- Different authorities
- Independent state
- Over lapping Groups

The Old Mughal Provinces-

Regions

- Awadh - Sa'adat Khan
- Bengal - Murshid Quli Khan
- Hyderabad - Asaf Jah

Common features among states

- Jagirdari system
- Ijaradari
- Tax collection

The Rajputs

The Watan Jagirs

- Arjit Singh - Jodhpur - governorship - Gujarat
- Swai Raj Jai Singh - Amber - Governor - Malwa
- Annexed - Nagaur
- 1722 - Subadari of Agra
- 1740 - Maratha campaigns (R)

The Sikhs

- *Khalsa* - Guru Gobind Singh
- *Dal Khalsa* - 18th C - Jathas - misls - Combined force - dal Khalsa - Collective decisions - Gurmatas
- *Sikh Resistance* - 1765 - Sovereign rule - Coin, 18th C, territories extended - Indus to Jamuna, 1799 - Ranjit Singh reunited different groups, Lahore (capital)

The Marathas

- Shivaji - 1627 - 1680,
- *Peshwas* - successful military organisation, right to levy - Chauth & Sardeshmukhi
- Raids by Marathas - 1737 - Delhi, 1761 - Battle of Panipat

Administration-

- Effective system
- Economy - Agriculture
- Maratha Chiefs -
 - ❖ Sindhia - Gwalior
 - ❖ Gaekwad - Baroda
 - ❖ Bhonsle - Nagpur

Commercial centers-

- Ujjain, Indore

Trade routes-

- Agra, Surat, Poona, Nagpur, Lucknow, Allahabad

The Jats

- Consolidated - 17th 18th C
- Churaman-control - Delhi & Agra
- Trading centers - Panipat & Ballabgrah
- SurajMal -Bhartpur -strong state

Draw the given flowcharts in your SST notebook.

Creative Writing:

Climate & Lifestyle Chart

Make a comparison chart showing:

- Climate
- Vegetation
- Animals
- Food Habits
- Clothing
- Occupations

Compare Tropical Rainforests and Subtropical Regions.

Subject- SKT

प्र.1 धातुरूपाणि : लृट् लङ् लकारः च चिह्नानि योजयित्वा पठ्, नम्, गम् धातु लिखत स्मरत च ।

प्र.2 शब्दरूपाणि : अकारान्त पुल्लिङ्ग, आकारान्त स्त्रीलिङ्ग शब्दरूप चिह्नानि योजयित्वा (देव, बालक, रमा, लता च लिखत स्मरत च ।

प्र.3 संख्यावाचक शब्दाः (50-100) उत्तरपुस्तिकायाम् लिखत स्मरत च ।

प्र.4 पाठ – 11, 12 उत्तरपुस्तिकायाम् कुरुत स्मरत च ।

प्र.5 अष्ट पुष्पानाम् नामानि लिखत स्मरत च ।

प्र.6 त्रीणि श्लोकानि कण्ठस्थं (स्मरत) कुरुत ।

Subject- General Knowledge

1. Make a chart showing Indian noble prizes winners.
2. Make a chart showing Hindu festivals of India.
3. Make a wall hanging showing the ways to save environment.
4. Make a model on any Indian music instrument.