SUBJECT - ENGLISH

1. Select at least 50 words from the lessons of your book 'Beehive', arrange them alphabetically and make mini-dictionary of your own. Avoid taking words from the footnotes.
2. Search the site www.google.com to find the details of the works of Robert Frost and find similarities of those works with your poem 'Road Not Taken'.
3. Make creative illustrations of the lessons 'The Fun They Had' and 'The Lost Child'. Taking clues from the missing columns of the newspaper, write an advertisement for the lost child.
4. Pay a visit to any of the banks nearby your house. Observe the dealing of the employees with the customers. Later, write your experience in 150 words in the form of a diary entry.
5. Your school has recently started a project 'Vertical Garden'. Write a letter to the editor of a local daily highlighting the efforts of your school in protecting the environment and requesting for a nice coverage to encourage others to do their bit for the same.
6. Read ch- Ishwaran the Story Teller, In the Kingdom of Fools (Moments) and ch-A Truly Beautiful Mind, The Snake and the Mirror (Beehive) and write the summary of each one in about 100 words.
7. Write a short story based on the following hints in about 200 words. Give a suitable title to your story.
   Boy hated his mother – had only one eye – always embarrassed – wished mother would disappear – few years later – boy left his mother – got a letter – school alumni reunion – visited old house – mother lay on ground with a letter – boy during childhood met with an accident – mother donated her eye – boy cried.

8. Prepare a chart (half) on any of the following topics:
   Figures of speech
   Non finites
   Determiners
9. Make two crossword puzzles on the following topics (also give hints):
   Occupations
   Relationships

10. Select 20 idioms and 20 proverbs from any grammar book and use them in sentences of your own in such a way that the meaning becomes clear.

विषय–हिन्दी

1. 'आधुनिक या एकल परिवारों में बुजुर्गों की स्थिति' पर 200–200 शब्दों का निबंध लिखें। (हिन्दी कापी पर करें।)

2. अंतर्राष्ट्रीय योग दिवस – 21 जून को मनाया जा रहा है। योग का महत्त्व बताते हुए इसके शिविर में भाग लेने हेतु दो मित्रों में संवाद लिखें। (हिन्दी कॉपी पर करें)

3. टीवी के विभिन्न चैनलों जैसे– एनिमल किंगडम, डिस्कवरी चैनल, एनिमल प्लेनेट आदि पर दिखाए जाने वाले कार्यक्रमों को देखकर किसी एक कार्यक्रम के बारे में अपनी प्रतिक्रिया लिखित रूप में व्यक्त करते हुए मुख्य पात्रों के चित्र भी चिपकाएँ। (स्क्रैप बुल पर करें)

4. देश के माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी द्वारा चलाई गई योजनाओं के नाम लिखें व किन्हीं चार का वर्णन कर संबंधित चित्र भी चिपकाएँ। (स्क्रैप बुक पर करें)

5. भारत के खेलमंत्री को पत्र लिखकर निवेदन कीजिए कि राष्ट्रमंडल खेलों के बाद वर्ष 2020 के ओलंपिक खेल भारत में आयोजित करवाए जाएँ। (हिन्दी कॉपी पर करें)

SUBJECT: MATHEMATICS

1. Represent $\sqrt{7.8}$ on number line.
2. Write 11.037 in the form of rational number.
3. Rationalize the denominator

(i) $\dfrac{2\sqrt{3}-\sqrt{5}}{2\sqrt{2}+3\sqrt{3}}$ (ii) $\dfrac{7+3\sqrt{5}}{7-3\sqrt{5}}$

4. Solve

$$\dfrac{2}{\sqrt{5}+\sqrt{3}} + \dfrac{1}{\sqrt{3}+\sqrt{2}} - \dfrac{3}{\sqrt{5}+\sqrt{2}}$$

5. Find the value of $(14641)^{0.025}$

6. Find the value of x If $5^{x-3} \cdot 3^{2x-8} = 225$

7. If $p(x) = x^3 + 3x^2 - 2x + 4$. Find the value of $p(-2) + p(1) + p(0)$.

8. The polynomial $p(X) = 2x^3 + kx^2 - 3x + 5$ and $q(x) = x^3 + 2x^2 - x + k$ when divided by (x-2) leaves remainder A and B respectively . Find the value of k if a-b = 0

9. What should be added to the polynomial $2x^4 - 4x^3 + 4x^2 - 4x + 4$ so that the obtained polynomial is exactly divisible by $x^2 + x + 1$?

10. Let ABC be an equilateral triangle in which coordinates of B and C are (4, 0) and (-4, 0) respectively. Find the coordinates of point A

11. Plot two points A (5, 5) and B (-5, 5) on the graph paper .draw a line segment & find it's Midpoint

12. Learn and write axioms and postulates of Euclid

13. C is the midpoint of AB and D is the midpoint of AC. Prove that AD= 1/4 AB

14. Draw angles of 30°, 45° 60°, 75°, 105°, 135°, 150° with compass.

15. Find the area of triangle whose sides are 5cm, 12 cm, 13 cm. Also find the shortest altitude.

16. If two diagonals of a rhombus are of lengths 240m and 44m, then find the height and perimeter of rhombus.

17. Find the area of the field which is in the shape of trapezium having parallel sides of 20m and 42m and non-parallel sides of 21m and 23m.

18. Find the area of rhombus whose side is 100m and one diagonal is 160m. Also find the length of other diagonal.

19. Prove that if two lines intersect each other than the bisectors of vertically opposite angles are in same line.
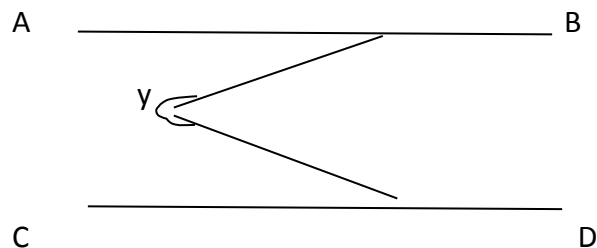
20. If the bisector of the base angles of a triangle encloses an angle of 135°, prove that the triangle is a right angle triangle.

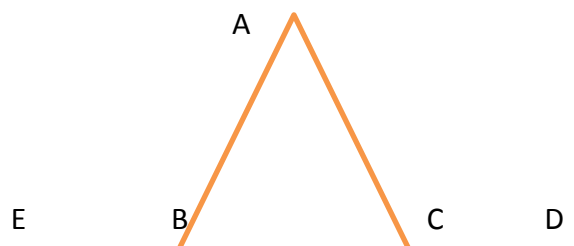21. Show that the sum of interior angles of a triangle is 180 degree.

22. Prove that the bisectors of the angles of a linear pair are at right angles.

23. If two parallel lines are intersected by a transversal. Prove that the bisectors of the interior angles form a rectangle.
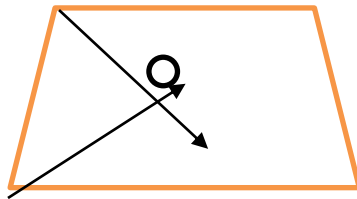
24. If AB II CD, find the value of y.

A —————————————————— B

y

C   D

25. In the given figure side BC of △ ABC is produced in both the directions. Prove that the sum of the two exterior angles so formed is greater than 180 degree.

A

E   B   C   D

26. In the give figure DO and CO are the bisectors $\angle$ D and $\angle$ C resp. of a quadrilateral ABCD. Prove that COD = ½ ($\angle$A+$\angle$B)

27. In $\triangle$ABC it is given that $\angle$C +$\angle$A =40 and $\angle$C-$\angle$B= 20degree. Find $\angle$A and $\angle$B.

28. Factorize   (i) $2x^3+7x^2-3x-18$

(ii) $8x^3 +27y^3+z^3-18xyz$

(iii) $\dfrac{64x^3}{125} - 8- \dfrac{96x^2}{25}+ \dfrac{48x}{5}$

(iv) $\dfrac{27a^3+1}{64b^3} +\dfrac{27a^2}{4b} + \dfrac{9a}{16b^2}$

(v) $2\sqrt{2}a^3+16\sqrt{2}b^3+c^3-12abc$

29.) Draw the graph of linear equation 2x+5y =19. Find one more solution from the graph.

30.) Find four solutions of given pair of linear equations (i) 3x-2y =4   (ii) x+y-3=0

31.) A triangle is formed by the lines x-2y +8 =0 , 2x-y +1=0 and x-5y +14 =0. Find the coordinates of the vertices of the triangle graphically.

32.) If (2,3) and (4,0)lie on the graph of equation ax + by =1. Find the values of a and b. Plot the graph of equation obtained.

33.) Four years ago age of mother was 3 times the age of daughter. Write the linear equation to represent the situation and draw its graph.

34.) Draw the graph of following equation on the graph paper. x-y =0, x+y=0 and x=2. Also find the area enclosed between the lines.

35.) The food charges in a hostel are as follows, for the first day charges are Rs 100 and for subsequent days it is Rs 50 per day. Taking the total no. of days as x and total charges as y , write linear equation and draw its graph.

SUBJECT: SCIENCE

1. Make two science quotations on an A4 sheet.

2. Click 5 photographs on topic biodiversity and fix in biology notebook.

3. Make the chemical formula using the following ions. Also write the chemical name. (Combine every positive ion with every negative ion).

Silver	Ag^+		Nitrate	NO_3^-
Lithium	Li^+		Nitride	N^{3-}
Potassium	K^+		Nitrite	NO_2^-
Ammonium	NH_4^+		Chloride	Cl^-
Magnesium	Mg^{2+}		Bromide	Br^-
Sodium	Na^+		Iodide	I^-
Zinc	Zn^{2+}		Carbonate	CO_3^{2-}
Barium	Ba^{2+}		Phosphate	PO_4^{3-}
Cobalt	Co^{2+}		Sulphate	SO_4^{2-}
Lead	Pb^{2+}		Hydroxide	OH^-
Aluminium	Al^{3+}		Acetate	CH_3COO^-

NOTE – Submit the holiday's homework in a file folder.

SUBJECT: SOCIAL SCIENCE

1. **Scrapbook:-** Do A,B,C,D parts on the scrapbook.

History

A. List of Map items:

a) Chapter1 – The French Revolution- On the outline map of France locate and label

- Bordeaux
- Nantes
- Paris
- Marseilles

b) Chapter 2:-Socialism n Europe and The Russian Revolution

- Major countries of the First World War

Central Powers- Germany, Austria, Hungary, Turkey.

Allied Pwers- France, England, Russia, America

Geography

Chapter 2 -Physical features

- Mountain Ranges:- Karakoram, Zaskar. Shiwalik, Aravalli,SAtpura, Vindhya
- Mountain Peaks:- K2,KANchanjunga, Anai Mudi
- Plateau:-Deccan Plateau, Chotanagpur,Malwa
- Coastal Plains:- Malabar, Northern Circar,Coromondal.Konkan,Kannad.

Chapter 3 -Drainage:-

- The Narmada, Tapi, Kaveri, Krishna, Godavari, Mahanadi
- Lakes- Wular, Pulicat, Sambhar, Chilika

B. Reseacrh Work:-collect the infromation on:-

1. Countries involved in Ist world war, causes and its impact

2. Contribution of Karl Marx and Nelson Mandela.

C. Mind Mapping on:-

1. Drainage chapter- Indus, Ganga, Brahmaputra Rivers.

D. Collect the Weather Report from 1st to 30th june.

2. Powerpoint Presentations: The students will make the PPT's on the following topics according to the topics assigned to their respective roll no's.

- Roll no 1-10 – French Revolution
- Roll no11-20- What is democracy? Why democracy?
- Roll no 21-30- Constitutional design
- Roll no 31-40-Physical features
- Roll no 41 onwards- Drainage

SUBJECT: PUNJABI

ਛੁੱਟੀਆਂ ਦਾ ਕੰਮ ਪ੍ਰੋਜੈਕਟ ਫਾਈਲ ਵਿੱਚ ਕੀਤਾ ਜਾਵੇ ।

1. ਕੋਈ ਦੋ ਮਿੰਨੀ ਕਹਾਣੀਆਂ ਅਖ਼ਬਾਰ ਵਿੱਚੋਂ ਕੱਟ ਕੇ ਲਗਾਈਆਂ ਜਾਣ ।

2. ਕੋਈ ਦੋ ਸੁਹਾਗ ਜਾਂ ਘੋੜੀਆਂ ਲਿਖੋ (ਲੋਕ ਗੀਤ) ।

3. (ਰੁੱਖਾਂ ਦੀ ਸੰਭਾਲ, ਪਾਣੀ ਦੀ ਸੰਭਾਲ, ਵਾਤਾਵਰਨ ਦੀ ਸੰਭਾਲ) ਕੋਈ ਦੋ ਵਿਸ਼ਿਆਂ ਤੇ ਪੰਜ-ਪੰਜ ਕੁਟੇਸ਼ਨਾਂ ਆਪ ਬਣਾ ਕੇ ਲਿਖੋ ।

4. ਪੰਜਾਬੀ ਅਖ਼ਬਾਰ ਵਿੱਚੋਂ ਸੰਪਾਦਕੀ ਨੋਟ ਲਿਖੋ (ਕੋਈ ਦੋ) ।

5. ਘਰ ਵਿੱਚ ਕਿਸੇ ਵੱਡੇ ਸਿਆਣੇ ਨੂੰ ਪੁੱਛ ਕੇ ਆਪਣੀ ਅਤੇ ਉਹਨਾਂ ਦੀ ਜੀਵਨ ਸ਼ੈਲੀ ਵਿਚਲੇ ਫ਼ਰਕ ਲਿਖੋ (ਘੱਟ ਤੋਂ ਘੱਟ 10 ਫ਼ਰਕ) ।

6. ਚਿੱਤਰ ਦੇਖ ਕੇ 50 ਸ਼ਬਦਾਂ ਵਿੱਚ ਆਪਣੇ ਵਿਚਾਰ ਲਿਖੋ ।

SUBJECT: SANSRIT

(1) प्रथम पाठतः तृतीय पाठः पर्यन्तम् "सन्धिविच्छेदानाम्" लेखनं संचिकायाम्।

(2) एतेषाम् अभ्यासानां लेखनम् संचिकायाम् –

प्रथमः पाठतः– 2,7,8,9,11,13

प्रथमः पाठतः– 2,3,7,8,10,14,15