

SUBJECT - ENGLISH

Make a language file and compile the following items in it:

1. There are some people from different professions who excelled in their fields despite their disabilities like Hellen Keller, John Milton, Albert Einstein, Stephen Hawking etc. Write a Biography of any such personality.
2. List four relationships that you value the most and explain why?
3. Taking hints from M.E.R. Unit - 1 (People At Work) Pg.no.23, design an advertisement on any one of the following:
Pen, Energy Drink, Chocolate, Watch
4. Make a '**mini dictionary**' comprising of minimum three words from each alphabet along with their meanings. (Pick the words from your Literature Reader)
5. **Here are some idioms and phrases. Write their meanings and make their sentences:**
 - a) At a stretch
 - b) At an arm's length
 - c) By leaps and bounds
 - d) A fair weather friend
 - e) Ins and outs
 - f) Part and parcel
 - g) Out of the Blue
 - h) Pass with flying colours
 - i) Piece of cake
 - j) Read between the lines
 - k) Icing on the cake
 - l) Giving a cold shoulder
 - m) It cost an arm and a leg
 - n) Busy as bee
 - o) To be taken in

6. **Grammar Assignment :**

1) **Change the tense as directed :**

- * She has lost her ring. (change into simple future tense)
- * He will not trust me. (change into simple past tense)
- * Is he going to Amritsar ? (change into present perfect tense)
- * Mukta neglected her studies. (change into future perfect tense)
- * We expected his arrival. (change into past perfect continuous)
- * Students have taken the test. (change into future perfect continuous)
- * He wrote a novel. (change into present perfect)

- * Why is he lamenting? (change into past indefinite tense)
- * He felled a tree. (change into present continuous tense)
- * Will Geeta be running a race? (change into simple present tense)

2) Change into passive voice:

- * She gave me a pen.
- * Mr. Pankaj teaches us English.
- * Do you take regular exercise?
- * Have you solved the sums?
- * What are you doing?
- * Will they help you?
- * We should respect our elders.
- * Who broke your window pane?
- * It is time to take some refreshment.
- * Open the gate.

3) Fill in the blanks with articles :

- * ----- Rajdhani Express is late by ----- hour.
- * You are ----- M.A., but he is ----- B.A.
- * Which is ----- taller of ----- two?
- * What ----- charming scenery!
- * Hindi is ----- national language of ----- country.
- * ----- Gita is ----- holy book.
- * I have too high ----- opinion of you.
- * The peasant has ----- goat, ----- ox and-----mare.
- * ----- Himalayas lie to ----- North of India.
- * I saw ----- one – eyed man.

4) Change the following into indirect speech:

- * She said," I did my work today at noon."
- * He said to me," I cannot kill even a fly."

- * My father said," India became free in 1947."
- * He said," I am busy in my work now."
- * You said to him," I told her everything."
- * The gardener said to the boys," Do not pluck flowers."
- * I said to my friend," Please help me to get some job."
- * The teacher said," Boys, behave properly."
- * He said," Let me have some coffee."
- * The doctor said to the patient," Do not smoke."

विषय—हिन्दी

- आपने गर्मी की छुट्टियों के दौरान जिन स्थलों की यात्रा की, उनका विवरण अनुच्छेद के रूप में लिखें। (चित्र भी चिपकाएँ)
 - 'वृक्षों का महत्त्व' अथवा 'पर्यावरण संरक्षण' – विषय पर एक कविता लिखें।
 - 'समय'— विषय पर पाँच सूक्तियाँ लिखें।
 - किसी भी पत्र/पत्रिका अथवा कहानी की पुस्तक में कहानियाँ पढ़ें व किन्हीं चार कहानियों के नाम व मुख्य पात्रों के नाम लिखें।
- नोट—सारा कार्य 'स्कैप बुक' में करें।

SUBJECT: MATHEMATICS

NOTE- DO THE FOLLOWING QUESTIONS ON SHEETS.

OBJECTIVE TYPE QUESTIONS

1. Write down the rational number whose numerator is the smallest 3-digit number and denominator is the greatest 4-digit number.
2. Express $\frac{26}{-65}$ in its standard form.
3. The point of concurrence of the altitudes of a triangle is called its _____.
4. Two rational numbers are said to be equal, if they have the same _____ form.
5. Every negative rational number is _____ than zero.
6. Rhombus has _____ lines of symmetry.

7. The line of symmetry of a circle is its _____.
8. There are _____ rational numbers between two given rational numbers.
9. The incentre of a triangle is equidistant from its sides. (True/ False)
10. Every rational is an integer. (True/False)
11. Fill in the blanks (a) $\frac{-5}{7} = \frac{\square}{35} = \frac{55}{\square}$ (b) $\frac{6}{-13} = \frac{-12}{\square} = \frac{\square}{-65}$

12. Express $\frac{3}{5}$ as a rational number with numerator -27.
13. The centroid of a triangle divides each median in the ratio _____.
14. The line of symmetry of a line segment is its _____.
15. The _____ is the longest side of a right angled triangle.

SUBJECTIVE TYPE QUESTIONS

1. Draw a $\triangle ABC$ in which $AB = 4.5\text{cm}$, $BC=5\text{cm}$ and $CA=6\text{cm}$. Also draw the perpendicular bisector of BC .
 2. Draw $\triangle PQR$ in which $PQ = 3\text{cm}$, $QR=5\text{cm}$. Also draw the bisector of $\angle Q$.
 3. One of the exterior angle of triangle is 90° . The interior opposite angles are equal to each other. Find the measure of these equal interior opposite angles.
 4. Construct $\triangle XYZ$ in which $XY = 4\text{cm}$, $\angle X = 55^\circ$ and $\angle Y = 70^\circ$.
 5. Draw $\triangle ABC$ in which $AB = 5\text{cm}$, $\angle B = 60^\circ$ and $\angle C = 70^\circ$.
 6. Draw a right triangle with hypotenuse of length 5cm and one side of length 4cm.
 7. Write five English alphabets having one line of symmetry.
 8. Draw five shapes having one line of symmetry.
 9. Construct an equilateral triangle. Also draw its lines of symmetry.
 10. In each of the following, find an equivalent form of the rational number having a common denominator : (a) $\frac{3}{4}$ and $\frac{5}{12}$ (b) $\frac{2}{3}$, $\frac{7}{6}$, $\frac{4}{9}$
 11. Verify whether (12, 13, 15) form a pythagorean triplet.
 12. Find the value of x in each of the following (a) $\frac{-5}{7} = \frac{x}{28}$ (b) $\frac{-3}{x} = \frac{18}{48}$
-

13. Compare the following : (a) $\frac{-4}{9}$ and $\frac{5}{-12}$ (b) $\frac{-9}{16}$ and $\frac{11}{-8}$

14. Arrange in ascending order (-a) $\frac{-7}{10}$, $\frac{5}{-8}$, $\frac{2}{-3}$ (b) $\frac{2}{3}$, $\frac{-4}{7}$, $\frac{-8}{3}$, $\frac{1}{9}$

15. Represent $\frac{-4}{9}$ and $\frac{5}{6}$ on number line.

16. The sum of two rational numbers is $\frac{-4}{3}$. If one of the numbers is -5, find the other.

17. The lengths of two sides of a right – angled triangle are equal. The square of hypotenuse is 512 cm^2 . Find the length of each side.

18. What should be added to $\frac{-7}{9}$ so as to get $\frac{-5}{8}$.

19. What should be subtracted from $(\frac{3}{4} - \frac{2}{9})$ to get $\frac{-1}{6}$.

20. Product of two rational numbers is $\frac{-8}{9}$. If one of the numbers is $\frac{-4}{15}$ find the other.

21. By what number should we multiply $\frac{-15}{28}$ so that the product may be $\frac{-5}{7}$.

22. Find $(x+y) \div (x-y)$, if (a) $x = \frac{2}{3}$, $y = \frac{3}{4}$ (b) $x = \frac{2}{5}$, $y = \frac{1}{2}$

23. Verify: $x + y = y + x$ for $x = \frac{5}{4}$ and $\frac{4}{3}$.

24. Simplify : (a) $\frac{-2}{3} + \frac{5}{9} - \frac{-7}{6}$ (b) $(\frac{-16}{5} \times \frac{20}{8}) - (\frac{15}{7} \times \frac{35}{45})$

25. Insert three rational numbers between (a) $\frac{3}{8}$ and $\frac{5}{12}$ (b) $\frac{2}{9}$ and $\frac{7}{18}$.

26. Find reciprocal of $(\frac{-7}{18} \times \frac{15}{-7}) - (\frac{-4}{3} \times \frac{1}{12}) + (\frac{1}{2} \div \frac{3}{8})$

27. Verify: $(x + y) + z = x + (y + z)$ for $x = \frac{-2}{5}$, $y = \frac{-1}{3}$ and $z = \frac{4}{15}$.

28. Show that $\frac{12}{21}$ and $\frac{36}{60}$ are not equivalent rational numbers.

29. $\triangle ABC$ is an isosceles triangle with $AB = AC$. If $\angle A = 100^\circ$, find the measure of $\angle B$.



30. In the given figure, find x and y.

ACTIVITY

1. Insert rational numbers in the boxes so that the sum of rows, columns and diagonals is equal to the magic number given below.

$$\text{Magic Number} = \frac{68}{5}$$

$\frac{4}{5}$		
	2	
	$\frac{4}{10}$	

2. Make 2 symmetrical patterns for each of the following and paste on Maths scrap book.

(i) Ink – Dot Design.

(ii) Paper – Cut Design.

SUBJECT: SCIENCE

1. Write the biography of Stephen Hawking on an A4 sheet.
2. During your vacations record the time taken and the distance travelled by any two different vehicles, calculate and compare the average speed of the vehicles in both the cases.

3. From the following ions make the chemical formula of the compounds using every positive ion with every negative ion. Also write the name of the compounds.

Silver – Ag^+

Nitrate – NO_3^-

Lithium – Li^+

Nitride – N^{3-}

Potassium – K^+

Iodide – I^-

Ammonium – NH_4^+

Sulphate – SO_4^{2-}

Cobalt – Co^{2+}

Phosphate – PO_4^{3-}

Lead – Pb^{2+}

Hydroxide – OH^-

Chromium – Cr^{3+}

Bromide – Br^-

Barium – Ba^{2+}

Acetate – CH_3COO^-

NOTE – Submit the holiday homework in a file folder.

SUBJECT: SOCIAL SCIENCE

1. Collect the weather report of one week from the newspaper and write in the following tabular form:

Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date							
Temp.	Max						
	Min.						
Humidity							

2. Prepare a PROJECT of L-14

- a) Write information about Regional Powers & paste pictures of their architectural delights.
- b) Read stories of Tenali Rama, Chief Minister of Krishnadevaraya, Ruler of Vijayanagar Empire.

3.



Plant a sapling .Click your photograph with the same on its 1st & 40th day & paste in your homework file.

4. Make your own ATLAS, to know the place, you live in-----

- a) On a Political map of Punjab, Locate 22 District of Punjab.
- b) i) On a political map of India, Locate 29 states & 7 Union Territories of India (book pg.159)
- c) On a Political map of Asia , locate & name the following countries with the help of map given below.

Turkey, Cyprus, Syria, Jordan, Israel, Iraq, Saudi Arabia, Yemen, Oman, Qatar, Tajikistan, Dubai, Myanmar, Singapore, Thailand



5. Draw neat and labelled diagrams of the followings:

Layers of soil (Page 10)

- Interiors of Earth (Page 15)
- Mechanism of Rainfall (Page 24)
- Biosphere (pg.2)

6. Write Geography terms of L- 2,3,4 from book:

denudation, delta, sand dunes, geomorphology, earthquake, mean sea level, mineral, rock, tropopause, rain gauge. (10 terms)

7. Read L – 11,13,19 thoroughly & make very short questions (5 each).

SUBJECT: PUNJABI

ਛੁੱਟੀਆਂ ਦਾ ਕੰਮ ਪ੍ਰੋਜੈਕਟ ਫਾਈਲ ਵਿੱਚ ਕੀਤਾ ਜਾਵੇ

- 1) ਅਖਬਾਰ ਜਾਂ ਰਸਾਲੇ (ਮੈਗਜ਼ੀਨ) ਵਿੱਚੋਂ ਕੋਈ 10 ਅਨਮੋਲ ਵਚਨ ਲਿਖੋ।
- 2) 5 ਬਾਲ ਕਵਿਤਾਵਾਂ ਲਿਖੋ।
- 3) 5 ਮਿੰਨੀ ਕਹਾਣੀਆਂ ਕਿਸੇ ਪੰਜਾਬੀ ਅਖਬਾਰ ਵਿੱਚੋਂ ਕੱਟ ਕੇ ਲਗਾਉਣੀਆਂ।
- 4) ਹੇਠ ਲਿਖੀ ਹਰੇਕ ਸਤਰ ਨੂੰ ਦਸ-ਦਸ ਵਾਰੀ ਲਿਖੋ।
(ਸੁਲੇਖ ਰਚਨਾ)
 1. ਲਾਈਲੱਗ ਨਾ ਬਣੋ ।
 2. ਮਾਂ-ਬੋਲੀ ਦਾ ਸਤਿਕਾਰ ਕਰੋ।
 3. ਝੂਠੀ ਤਾਕਤ ਦਾ ਹੰਕਾਰ ਨਾ ਕਰੋ ।
 4. ਬੁੱਧੀ ਬਲ ਨਾਲੋਂ ਬਲਵਾਨ ਹੁੰਦੀ ਹੈ।
 5. ਪਾਪੀ ਆਪਣੇ ਪਰਛਾਵੇ ਤੋਂ ਵੀ ਡਰਦਾ ਹੈ।
- 5) ਰੁੱਖਾਂ ਦੇ ਕੋਈ 10 ਲਾਭ ਲਿਖੋ।
- 6) ‘ਮੇਰਾ ਪਿਆਰਾ ਪੰਜਾਬ’ ਵਿਸ਼ੇ ਨਾਲ ਸਬੰਧਿਤ ਤਸਵੀਰਾਂ ਲਗਾ ਕੇ ਦਸ ਸਤਰਾਂ ਲਿਖੋ।

SUBJECT - SANSKRIT

- (1) संख्या एकतः शतम् पर्यन्तम्।
- (2) प्रथम पाठतः चतुर्थः पाठ पर्यन्तम् शब्दार्थ-लेखनम्।
- (3) अव्ययपदानाम् उपसर्गाणां च लेखनम्।