



## BCM SCHOOL, CHANDIGARH ROAD

A SENIOR SECONDARY SCHOOL OF BCM FOUNDATION, AFFILIATED TO CBSE, NEW DELHI

SUMMER HOLIDAYS HOMEWORK (2023-24)

Class VIII

### SUBJECT- ENGLISH

1. Writing skill is important to broaden the understanding, expressions and creativity. So pick pen and paper to give wings to your views and thoughts by writing paragraphs in about 100-120 words each on the following topics:
  1. Importance of reading newspaper
  2. Balanced diet
  3. Harmful effects of electronic gadgets
  4. Handsome is that handsome does
  5. My aim in life
  6. Global warming
  7. Cleanliness is next to godliness

#### Note

- Write the above mentioned topics in your grammar practice notebook.
  - Make your write ups impressive and decorative .
2. Podcast is a digital audio file to present one's views, creative ideas and voice modulation. Make a good podcast of a conversation with one of your family member or a friend on 'brain drain'

#### Note

- Record your conversation for 1-2 minutes.
- The recording should be clearly audible.
- Send the recording through e – mail provided by the concerned teacher.

### विषय – हिंदी

(ग्रीष्मकालीन गृह कार्य हिंदी की उत्तर पुस्तिका में लिखिए।)

\* समाचार पत्र या इंटरनेट से ज्ञात करें कि वर्तमान समय में कौन- सा विक्रमी संवत् वर्ष चल रहा है। उसे सुंदर अक्षरों में लिखें। विक्रमी संवत् और अंग्रेज़ी कैलेंडर में कितने वर्ष का अंतर है? स्पष्ट करें। संवत् वर्ष में आने वाले हिंदी महीनों के नाम क्रमानुसार लिखें।

\* निबंध- कामकाजी नारी की समस्याएं, जानलेवा महंगाई, लड़का -लड़की एक समान इन्हें याद करें और सुलेख स्वरूप लिखें।

### ਵਿਸ਼ਾ - ਪੰਜਾਬੀ

ਆਪਣੇ ਘਰ ਦੇ ਵੱਡਿਆਂ ਨਾਲ ਚਰਚਾ ਕਰੋ ਕਿ ਅੱਜ ਦੇ ਬੱਚੇ ਕਦਰਾਂ ਕੀਮਤਾਂ (Moral Values) ਕਿਉਂ ਭੁੱਲਦੇ ਜਾ ਰਹੇ ਹਨ। ਇਹਨਾਂ ਨੂੰ ਜੀਵਨ ਵਿੱਚ ਕਿਵੇਂ ਅਪਣਾਇਆ ਜਾ ਸਕਦਾ ਹੈ, ਲਿਖੋ।

✿ ਪਾਠ 6 ਤੋਂ 12 ਦਾ ਇੱਕ-ਇੱਕ ਪੰਨਾ ਸੁਲੇਖ ਆਪਣੀ ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ 'ਤੇ ਲਿਖੋ।

### SUBJECT- SOCIAL SCIENCE (Do Q1 on Fair notebook)

1. Create a travel brochure: Select a destination of your choice and create a travel brochure for it. Include all the essential information about the place such as its location, climate, major attractions, local culture, food, and accommodation options. You can make use of pictures, maps, and other creative elements to make your brochure more visually appealing.
2. Make a model for Soil profile using eco - friendly material.
3. Read ch-3 (H) thoroughly and frame questions.

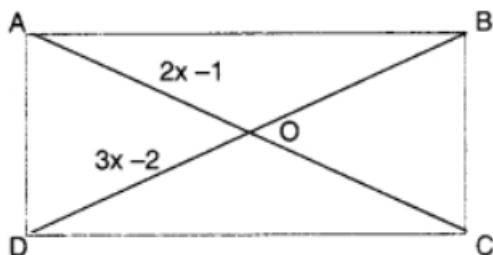
**SUBJECT: MATHS**

- The sum of the measures of the exterior angles of any quadrilaterals is  
a.  $180^{\circ}$  b.  $270^{\circ}$  c.  $360^{\circ}$  d.  $120^{\circ}$
- Out of three equal angles of a quadrilateral , each measure  $70^{\circ}$ . The measure of fourth angle is.  
a.  $90^{\circ}$  b.  $140^{\circ}$  c.  $150^{\circ}$  d.  $210^{\circ}$
- Which of the following statements is false  
a. All the angles of a rectangle are equal.  
b. No angle of a rectangle can be obtuse  
c. The diagonals of a rectangle bisect each other  
d. The opposite sides of a rectangle are unequal.
- Diagonals of a Parallelogram, divides it into two congruent.....  
a. Rectangles b. Squares c. Triangles d. parallelograms
- The Diagonals of a parallelogram are .....  
a. Equal b. Unequal c. Bisect each other d. have no relation
- In a quadrilateral ABCD , $AB= BC$  and  $CD=DA$  , then the quadrilateral is a .....
- If an interior angle of a regular polygon is  $162^{\circ}$ , then the no. of side is .....
- The quadrilateral whose diagonals are perpendicular to each other is .....
- In a rectangle diagonals .....
- The diagonals of a kite are.....

**Subjective type.**

1.

ABCD is a rectangle. Its diagonals meet at O.

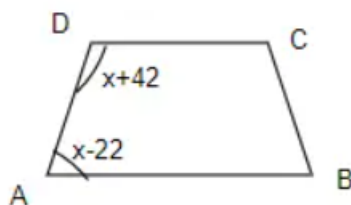


$OA= 2x-1$ ,  $OD= 3x-2$ , find x

- The four angles of a quadrilateral are in the ratio 1:2:3:4, Find the measure of the smallest angle .

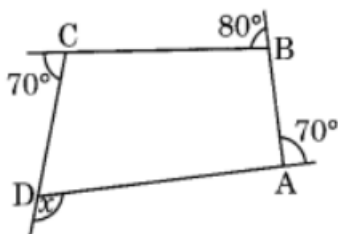
3.

Find the value of x in the trapezium ABCD



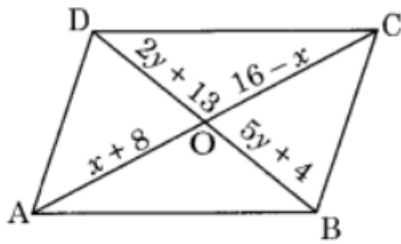
4.

In the given figure ABCD, find the value of x.



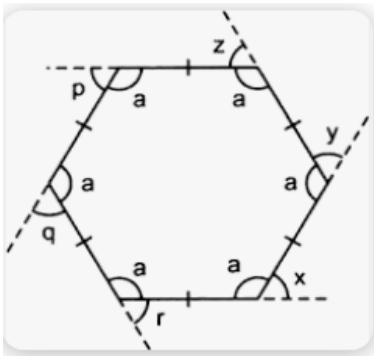
5.

Find the values of  $x$  and  $y$  in the following parallelogram.



**Case Study :**

Arun was solving the mathematics problem. He was doing great in algebraic concepts but not in geometric concepts. He had to solve few questions from quadrilaterals. Questions were based on the following figure.



- i) Can you tell what is the figure called as.....
- ii) What is the sum of the measures of its exterior angles.?
- iii) If all the interior angles in the given figure is equal to  $x/2$ , find the value of  $x$ .

Assertion -Reason Based questions.

- i) Both A and R are True and R is the correct explanation of A
  - ii) Both A and R are True and R is not the correct explanation of A
  - iii) A is True bur R is False
  - iv) A is Falser but R is True.
- a. Assertion: A square, Rectangle and rhombus are all parallelograms  
Reason: Quadrilateral has four sides.
  - b. Assertion: ABCD is a square , AC and BD intersect at O. the measure of angle AOB =  $90^\circ$   
Reason: Diagonals of a square bisect each other at  $90^\circ$

**SUBJECT: SCIENCE**

1. \_\_\_\_\_ is a non-renewable source of energy? (a) Water (b) Coal (c) Soil (d) Sun
2. Which of the following is not obtained as a fraction during the refining of petroleum  
a) kerosene b) natural gas c) lubricating oil d) bitumen
3. The places where coal deposits are found are called:  
a) coal mines b) black mine c) fossil fuels d) energy mine
4. \_\_\_\_\_ is considered as the highest grade of coal.  
a) Peat b) Lignite c) Bituminous d) Anthracite
5. A natural gas stored under high pressure is called: (a) CNG (b) LPG (c) KLG (d) PNP
6. Fossil fuels are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
7. The least polluting fuel for vehicles is \_\_\_\_\_
8. The process of separation of different constituents from petroleum is called \_\_\_\_\_
9. LPG mainly contains \_\_\_\_\_.
10. \_\_\_\_\_ is also added to LPG to give it a distinctive smell.
11. What are exhaustible and inexhaustible sources of energy? Give examples.
12. Define Fuel, Carbonization, destructive distillation, fossil fuels.
13. Name the various constituents of petroleum along with their uses.
14. What is PCRA? Write any 4 ways suggested by PCRA to minimize the wastage of petrol or diesel.
15. Why petroleum is called black gold? Write the full form of LPG & CNG.
16. Name three products obtained by destructive distillation of coal. Write one characteristic and one use of each.
17. Can coal, petroleum and natural gas be prepared in the laboratory from dead organisms? Why?
18. Assertion and reason type question:-  
Assertion: Fossil fuels cannot be formed in laboratory.  
Reason: It requires very high temperature and pressure. Such conditions cannot be met in laboratory.
  - a) Assertion is wrong but reason is right
  - b) Assertion is right but reason is wrong
  - c) Both assertion and reason are right
  - d) Both assertion and reason are wrong
19. Case study:-The substance W is a fossil fuel. It occurs deep below the ground in certain areas of the earth. Another fossil fuel X is found trapped up the deposits of W. When W is subjected to a process called Y, then a number of different products are collected at different temperature ranges which are put to different uses. A special grade of product Z obtained in this way is used as aviation fuel in jet aero planes.
  - i. What are W and X ?
  - ii. What is the physical state of W and X ?
  - iii. Name the process Y?
  - iv. Name the product Z.

## **PROJECT:**

- **English:** Recently India is facing its worst electricity shortage. In summers the demand of electricity is always at the peak. So it is the high time to make the people aware about the pertinent use of electricity. Taking initiative, our school is going to organize a rally on 'Save Electricity'. Write a notice for the students of class VIII about the same and invite them for the maximum participation.
- **Hindi:** आजकल दिन प्रतिदिन गर्मी का प्रकोप बढ़ता जा रहा है। प्रत्येक व्यक्ति इस गर्मी से राहत पाना चाहता है। बढ़ती गर्मी से राहत दिलाने वाले किसी एक उत्पाद का सुंदर आकर्षक और रंगीन विज्ञापन तैयार करें।
- **Punjabi:** ਗਰਮੀ ਦੇ ਮੌਸਮ ਵਿਚ ਵੱਧ ਰਹੀ ਬਿਜਲੀ ਦੀ ਖਪਤ ਦੇ ਕਾਰਨ ਲਿਖੇ ਅਤੇ ਬਿਜਲੀ ਬਚਾਉਣ ਦੇ ਉਪਾਅ ਵੀ ਲਿਖੋ।  
(ਕੋਈ ਪੰਜ)
- **Maths:** Electricity Bill Survey. Students will collect the electricity bill of their nearby 5 families and represent the amount of bill in the form of bar graph(estimated value)
- **Science:** Explain the renewable and non-renewable sources of energy. How solar cell panels work? Describe it with the help of pictures.
- **S.St:** Name the states producing hydro-electricity. Locate these states on a political map of India.

