CLASS-10
*HINDI   * 10 mishrit Vakya ko likhkar unhen saral aur sanyukt Vakyo mein Badal kar likhiye.

*S.St.   History
Ch-1 The Rise of Nationalism in Europe
Questions:
1. Analyse the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
2. Culture had played an important role in the development of nationalism in Europe during the 18th and 19th centuries. Support the statement with examples.

*MATHS   Do assignment with the attached file.

*SCIENCE
1.... Why is diffusion insufficient to meet the oxygen requirement of large multicellular organisms like humans?
2.... Explain the opening and closing of stomata.
3.... How do the roots of plants obtain oxygen to perform respiration?

*ENGLISH
Answers of EXERCISE-8
1. Ronaldo is better than any other cricketer in the world.
2. Instead of advising, it is better to help.
3. No other country that I have ever been to is as pretty as Italy
4. What a crazy way to lose one's wicket!
5. Jack said that John had gone to Jim's house the previous Sunday
6. A medal will be received by Jenny for her performance.
7. Students without a valid ticket will not be allowed to stay.
8. As soon as the sun came up, the birds began to sing.
9. The door was jammed so hard that we could not open it.
10. If the weather is not bright and warm, we will not go for a picnic.

EXERCISE-9 (Sentence transformation)
Re-write the following sentences according to the instructions given after each. Make other changes that may be necessary, but do not change the meaning of each sentence. (answers below)
1. This summer has been the warmest in the last ten years.
(Rewrite using "warm")
2. The taxi driver said, "He opened the door and jumped out before i could say a word."
(Begin: The taxi driver said that...)
3. Robinson gave his companion Friday, a gift every Friday.
(Begin: Robinson's companion Friday...)
4. As soon as the game was over, the chess pieces were put in the box.
(Begin: Hardly...)
5. The hike was so hard, that Joan had to turn back just an hour into it.
(Rewrite using "too" in place of "so")
6. Unless the rain stops, the game will not resume.
(Begin: If..)
7. Jonas would rather stay at home than go out and play in the rain.
(Begin: Jonas prefers...)
8. Despite the best efforts by the Police, the money could not be retrieved.

(Begin: Inspite…)

9. The new machine did a good job of compressing the garments.

(Rewrite using "compress")

10. A lot of people are capable of leading a team.

(Rewrite using "capability")

11. As soon as the gates opened, the shoppers rushed in.

(Begin: No sooner…)

12. The clock struck twelve and the children ran out.

(End: … children)

13. Tomas drove into the wall with his car.

(Begin: The wall…)

14. If you do not eat fish, you will not become intelligent.

(Begin: Only…)

15. James was barely able to stand straight.

(End: … straight ?)

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4. Point A lies on the line segment PQ joining $P(6, -6)$ and $Q(-4, -1)$ in such a way that $\dfrac{PA}{PQ} = \dfrac{2}{5}$. If the point A also lies on the line $3x + k(y+1) = 0$, find the value of k. **[CBSE 2015]**

5. Points P, Q, R and S divide the line segment joining the points $A(1, 2)$ and $B(6, 7)$ in five equal parts. Find the coordinates of the points P, Q and R. **[CBSE 2014]**

6. Points P, Q and R in that order are dividing a line segment joining $A(1, 6)$ and $B(5, -2)$ in four equal parts. Find the coordinates of P, Q and R. **[CBSE 2009C]**

7. The line segment joining the points $A(3, -4)$ and $B(1, 2)$ is trisected at the points $P(p, -2)$ and $Q\left(\dfrac{5}{3}, q\right)$. Find the values of p and q. **[CBSE 2005]**

8. Find the coordinates of the midpoint of the line segment joining
   (i) $A(3, 0)$ and $B(-5, 4)$ (ii) $P(-11, -8)$ and $Q(8, -2)$.

9. If $(2, p)$ is the midpoint of the line segment joining the points $A(6, -5)$ and $B(-2, 11)$, find the value of p. **[CBSE 2010]**

10. The midpoint of the line segment joining $A(2a, 4)$ and $B(-2, 3b)$ is $C(1, 2a+1)$. Find the values of a and b.

11. The line segment joining $A(-2, 9)$ and $B(6, 3)$ is a diameter of a circle with centre C. Find the coordinates of C.

12. Find the coordinates of a point A, where AB is a diameter of a circle with centre $C(2, -3)$ and the other end of the diameter is $B(1, 4)$.

13. In what ratio does the point $P(2, 5)$ divide the join of $A(8, 2)$ and $B(-6, 9)$?

14. Find the ratio in which the point $P\left(\dfrac{3}{4}, \dfrac{5}{12}\right)$ divides the line segment joining the points $A\left(\dfrac{1}{2}, \dfrac{3}{2}\right)$ and $B(2, -5)$. **[CBSE 2015]**

15. Find the ratio in which the point $P(m, 6)$ divides the join of $A(-4, 3)$ and $B(2, 8)$. Also, find the value of m. **[CBSE 2004]**

16. Find the ratio in which the point $(-3, k)$ divides the join of $A(-5, -4)$ and $B(-2, 3)$. Also, find the value of k. **[CBSE 2007]**

17. In what ratio is the line segment joining $A(2, -3)$ and $B(5, 6)$ divided by the x-axis? Also, find the coordinates of the point of division.