Hurrah!

Break Time...............

General Instructions:
- Do your holidays homework in a very neat and tidy manner.
- Do the written work in separate notebook.
- Parents should converse most of the time in English with their wards.
- Submission date for the assignment as per subjectwise dates mentioned below:

Subject	Date of Submission
English	01.07.2021
Science & E.V.S.	02.07.2021
A&C, I.T. and G.K.	03.07.2021
Social Science	05.07.2021
Hindi & Sanskrit	06.07.2021
Maths	07.07.2021

English
1. Read the chapters 'The sound of Music' 'The little Girl'and write the character sketches of the following...
   • Bismillah Khan
   • Evelyn Glennie
   • Margie
2. Write a Self Composed poem on the topic ' Life during Lockdown' on A4 size sheet.
3. Given Below is a list of literary devices. Pick up any three poems from your textbook(Beehive) and highlight the given literary devices in those poems. Also write the definition of the enlisted literary devices.
   1.Simile 2.Metaphor 3.Personification 4.Irony 5.Repetition 6.Hyperbole 7.Allusion 8 Apostrophe 9.Paradox 10. Onomatopoeia.
4. *Revise ch-1 to 3(Beehive)
   * Revise Poem 1to 5(excluding 4th poem)(Beehive)
   *Revise Ch- 1to 3(Moments) & complete Your English Notebook for all the above mentioned chapters

Maths:
1. Complete Ch. – 1,2,3,4,6 & 12 in your fair notebook and submit its pdf in Google classroom for assessment purpose.
2. Do the given assignment in your practice notebook and submit its pdf in Google classroom.
3. Project Work/ File work
   Draw a two dimensional rough sketch of your house with dimensions in meters. Find the total floor area of your house including each portion separately. Use Heron's Formula for finding the area.(you can round off the dimensions for convience in calculations)

Hindi:
1. अभी तक पूर्ण हुए पाठ्यक्रम गद्य खंड दो बैलों की कथा, ल्हासा की ओर, सांवले सपनों की याद

काव्य खंड सा खयां, सवैया, तथा अलंकार, समास, उपसर्ग, प्रत्यय याद कीजिए तथा उत्तर पुस्तिका पूर्ण कीजिए।

2. अलंकार वषय पर एक परियोजना तैयार कीजिए।

3. समास या उपसर्ग प्रत्यय पर फ्लैश कार्ड तैयार कीजिए।

4. लॉकडाउन के चलते लोगों तथा पर्यावरण में हुए सकारात्मक परिवर्तनों को दर्शाते हुए एक रंगीन चार्ट तैयार कीजिए।

5. को वड-19 के चलते लोगों में सकारात्मकता लाने के लए जोश पूर्ण एक क वता या स्लोगन A-3शीट पर ल खए।

Biology
1. Make a model on any one of the following topics using waste material like bottle caps, straws, buttons etc.
   a) Animal cell
   b) Plant cell
   c) Mitochondria
   d) Nucleus
2. Draw all well labeled diagrams done till now in your fair notebook.
3. Complete notes and learn the topics done in class.
4. Solve UT and given worksheets in your fair notebook.
5. Draw mind maps of the following ;
   a) All components of a cell in a plant and animal cell
   b) Types of tissues

Physics
1. Do atleast 10 numericals on each of the following topics.
   Equation of Motion
   Mathematical formulation of Newton's II law
   Law of conservation of Momentum.
2. Solve intext questions and exercise of
   Ch – 8 (Motion) and Ch – 9 (Force & laws of Motion)
3. Make a project on Newton's laws of Motion .
   Explain each law with an appropriate example

Chemistry
1. Write the NCERT exercise of chapter -1 (Matter in our surroundings) and Chapter- 2 (Is Matter around us pure)
2. Collect the samples of metals, non- metals, metalloids and Alloys from your surroundings and paste all these on a thermocol sheet.
3. Make a project report on – Supplements used to treat Covid and how can we get those supplements naturally.
4. Learn the elements with atomic no. 21 to 30 from periodic table.

Social Science
1. **Revise syllabus**
   Political science -   Chapter- 1 ,   What is democracy & Why is democracy
                           Chapter -2 ,   Constitutional Design
   Geography -   Chapter- 1 ,   India- size and location
   Economics -.   Chapter- 1 ,   The story of the village Palampur
   And also prepare assignment from the chapters mentioned above with the following details:

1. 15 terms
2. 20 MCQs
3. 20 Very short answer type questions
4. 20 fill ups

2. Make a project file on 'Democracy v/s Dictatorship'.
3. C.Prepare report on Covid 19 keeping the following points:
   a. How was it caused?
   b. How did it spread?
   c. Mention the steps taken by the world community to control it.
   d. Is lockdown the correct solution and decision?
   e. What is the impact of the lockdown on India and the world?
4. Identify the following with help of map pointing
   a. Island group of Indian lying in Arabian Sea and Bay of Bengal
   b. The state through which tropic of cancer passes.
   c. The Union territories of India
   d. The place situated on the three seas
   e. The strait separating Sri Lanka from India
5. On an outline map of India locate the States and their capital and paste in fair notebook. (Atleast 5 maps)

Vocational I.T :

1. **Prepare a PPT(5-7 slides) on Topic**- Types of Communication (Verbal , Non-Verbal and Visual Communication).

2. **Prepare a Chart:**
   Roll No. 1to10 –   Desktop Icons (Pg-79 to 84)
   Roll No. 11to20 –   Self Management Skills(Pg-40)
   Roll No. 21to30 –   Storage devices (Pg- 69 to 73)
   Roll No. 31 Onwards-   Rules of Touch Typing(Pg- 160)

3. **Learn** ->Part- A (Ch-1,2)+Part-B (Ch-1,2)+ Assignment of same chapters.
4. Find & Write at least 10 internal Q/A from Part-A (Ch-3 Basic ICT Skills) in Fair Note book.

John Wesley Convent, Rohtak

(A New Generation International Sr. Sec. School, Affiliated to C.B.S.E.)

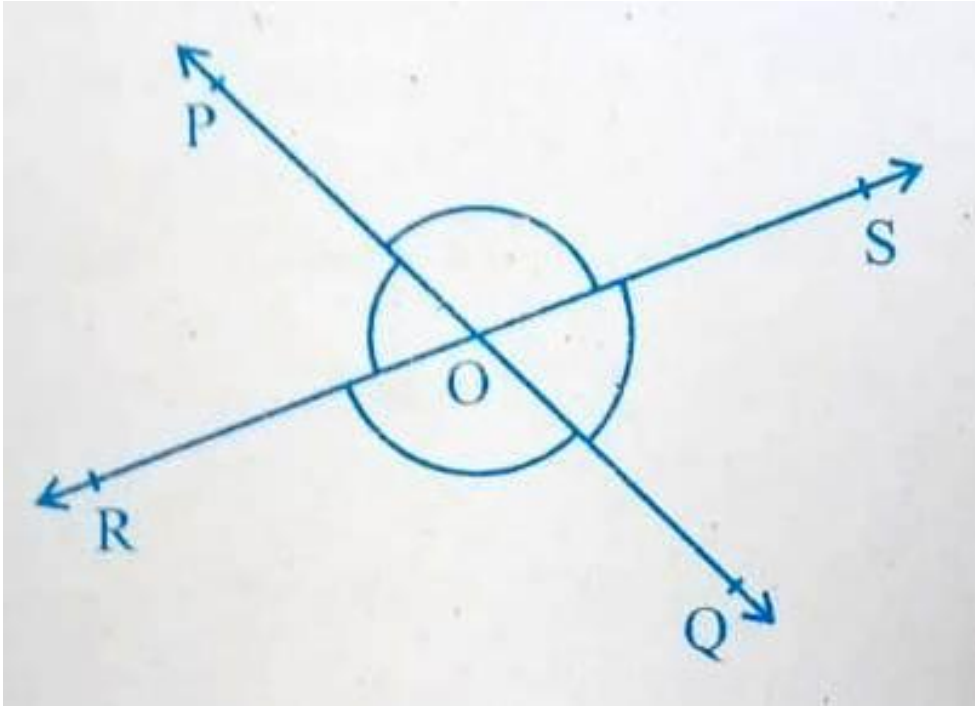Summer Vacation Assignments-Maths / Class..9.... Section.........

Name: _____   Roll No.:_____   Topic : _____

1. Find five rational numbers between 3 and 4.

2. Represent $\sqrt{2}$ on number line.

3. Find decimal expansions of 10/3, 7/8, 1/7.

4. Represent 0.3333……. In p/q form.

5. Represent 1.272727…..in p/q form.

6. Visulise 3.765…… on number line, upto 4 decimal places.

7. Add. $2\sqrt{2} + 5\sqrt{3}$ and $\sqrt{2} - 3\sqrt{3}$.

8. Rationalise $1/(2-\sqrt{3})$.

9. Simplify $(5+\sqrt{2})/(5-\sqrt{2})$.

10. Evaluate 32^1/5

11. Write the coefficient of x^2 in each of following;

    (I) $5x^3 + 4x^2 + 7x$

    (II) $4 - x^2$

    (III) $3 + x$

12. Find the value of Polynomial at indicated values of variable.

    (I) $P(x) = 5x^2 - 3x + 7$ at x = 1

    (II) $P(x) = 4x^4 + 5x^3 - x^2 + 6$ at x = -2

13. Find zero of Polynomial in each case

    (I) $P(x) = x - 5$

    (II) $P(x) = 2x + 5$

    (III) $P(x) = 3x$

14. Divide $x^3 + 3x^2 - 1$ by x+1

15. Find reminder on dividing $x^3 + 1$ by x+1.

16. Check whether 7+3x is a factor of $3x^3 + 7x$.

17. Find value of k if $x - 1$ is a factor of $4x^3 + 3x^2 - 4x + k$.

18. Factories $y^2 - 5y + 6$.

19. Factories $x^3 - 23x^2 + 142x - 120$.

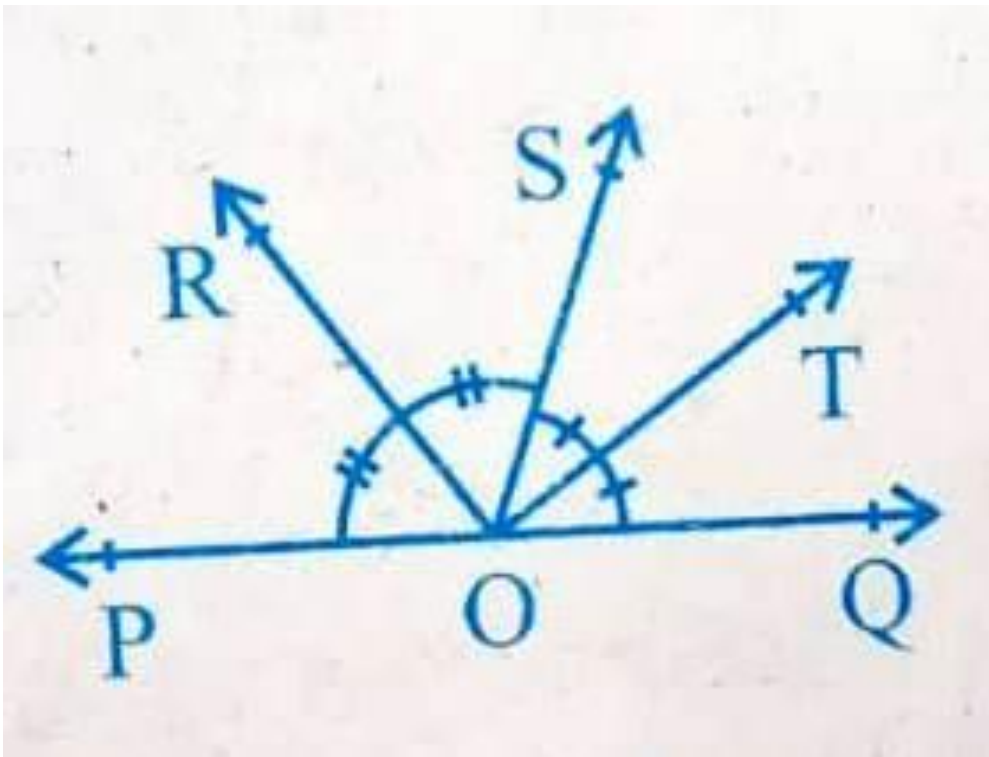20. Factories $49a^2 + 79ab + 25b^2$.

21. Evaluate $(104)^3$.

22. Expand $(5p - 3q)^2$.

23. Verify $x^3 + y^3 = (x+y)(x^2 - xy + y^2)$.

24. In given fig line PQ and RS intersect each other at point O. If $\angle POR : \angle ROQ = 5:7$, find all angles
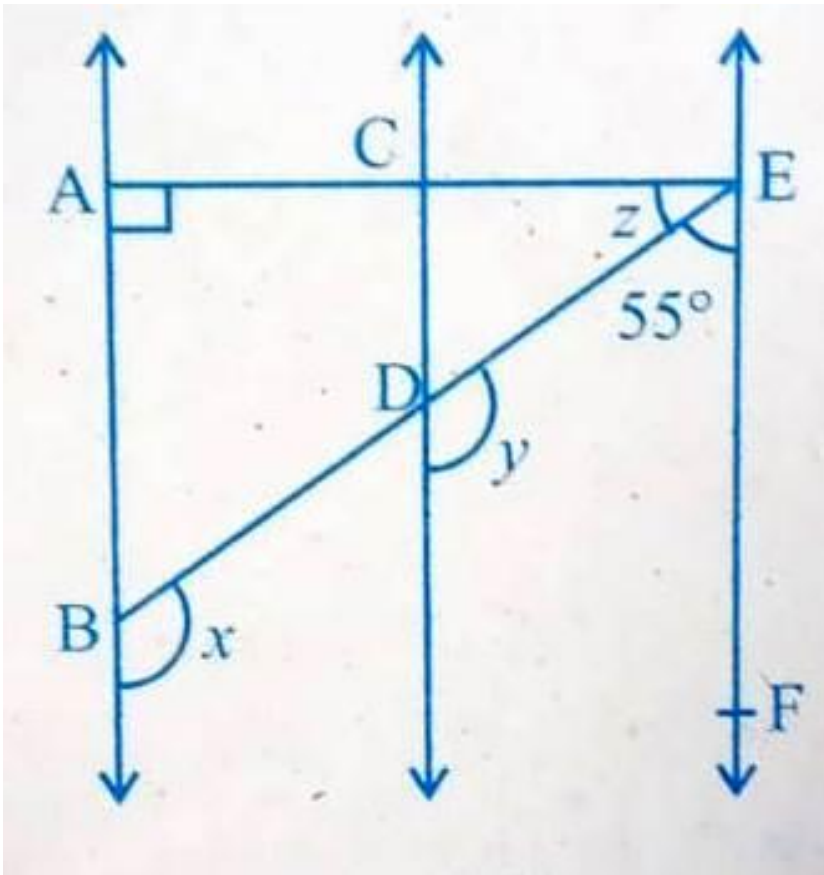

25. In figure rays OS stands on a line POQ. Ray OR and ray OT are angle bisector of $\angle POS$ and $\angle SOQ$, respectively. If $\angle POS = x$, find $\angle ROT$.

26. Prove angle sum property of a triangle.

27. In fig AB || CD and CD || EF. Also EA is perpendicular to AB. If < BEF = 55°, find values of x, y, z.

28. The sides of a triangular plot are in ratio 3:5:7 and it's perimeter is 300 m. Find it's area.

29. Find area of a triangle, two sides of which are 8 cm and 11 cm and perimeter is 32 cm.

30. A field is in the shape of a trapezium whose parallel sides are 25 m and 10 m. The non parallel sides are 14 m and 13m. Find area of field.