St. Joseph's School, Maharajganj
Summer Vacation's Home work 2019-20
Class- 10

S.St

1. Visit either government school/Government hospital and make a list of public facilities that you find.
2. In reference to the process of economic development, which is the main aim of raising the quality of life for both present and future generations. What concept is referred here and strategies for achieving it
3. Learn all the names of states and their capitals.
4. Prepare the first 5 maps in the text book?

Science

1. Draw the modern periodic table on a chart paper.
2. Make a structure of heart and how does it work. Explain.
3. Draw the structure of Alimentary canal on chart paper.
4. Take a money plant and keep it in dark room for three days. What you absence. Explain.

English

1. Learn lesson 1 & 2.
2. Learn Poem 1 & 2.
3. Making use of all the Preposition write your own sentences.
4. Learn Supplementary 1 & 2.
5. Learn 50 new words and their meanings. And use them in your sentences.

Note:- Prepare for the Basic English Grammar Test.

Maths

1. Find a relationship between cm and feet.
2. If area of a polygon 10,000 m², convert it into hectare.
3. To calculate the volume your home building in meter³ .
4. Draw the figures of following and write its property. (i) Pentagon (ii) Hexagon
5. Draw a figure of regular pentagon, Hexagon and octagon and measure each angle.
6. Find the value of x and y for the following system.

   (a) $mx + ny = 4mn, mx - ny = 0$
   (b) $bx + y = b^2 + c, x + cy = b + c^2$
   (c) $ax + by = c, ax + ey = f$
   (d) $ax + by = c, bx + ay = 1 + c$
   (e) $ax + by - a + b = 0 , bx - ay - a - b = 0$
   (f) $bx + cy = a + b, ax \left(\frac{1}{a-b} - \frac{1}{a+b}\right) + cy, \left(\frac{1}{b-a} + \frac{1}{b+a}\right) = \frac{2a}{a+b}$

7. Find the value of a and b for which the system of equation has infinity many salution.

   (a) $2x + 3y = 7, \ (a + b + 1)x + (a + 2b + 2)y = 4 (a + b)$

8. Solve the following systwm of equation graphically.

   $3x + 2y - 11 = 0$ and $2x + 3y + 10 = 0$ shade the region baunded by these line and x axis.

9. Draw the graph of equation.

   $x = 3, \quad y = 5, \quad and \ 2x - y - 40$

   also find the area of the quadriletral formed by these lines and the $y - axis$

Hindi

1– अपने पठित पाठ्य पुस्तक 'क्षितिज ' में पढ़े गए पाठों से कठिन शब्दों के शब्दार्थ लिखकर याद करें।
2– ' नेता जी का चश्मा ' पाठ में प्रयुक्त क्रिया पद का चयन कीजिए एवं निम्नलिखित भागों में अलग कीजिए–
    1) पुर्वकालिक क्रिया   2) संयुक्त क्रिया   3) रंजक क्रिया   4) सहायक क्रिया
3– क्रिया की परिभाषा, भेद एवं दो– दो उदाहरण लिखकर उनका वाक्य प्रयोग कीजिए।
4– विशेषण की परिभाषा , विशेषण के भेद उनकी परिभाषा एवं उदाहरण लिखकर याद कीजिए।
5– अवकाश के दिनों में स्वयं द्वारा किए गए किसी यात्रा वर्णन अपने शब्दों में कीजिए। (1000 शब्द)
6– अपने पाठ्य पुस्तक ' क्षितिज' एवं ' कृतिका ' के सभी पाठों का नाम एवं उनके रचनाकारों का नाम लिखकर याद कीजिए।
7– ' जीवन में सत्संगति का महत्व' विन्दु पर 1000 शब्दों में निबंध लिखिए–

Computer

1. Learn unit -3 -4 and make 50 mcq and make 50 MCQs.

Note: – School Re – opens on 24.06.2019
Time – 07:30 am. – 12:30 pm