Summer Holiday Home assignment-2022-23

For class X

Subject: English

1. Write the brief character sketch of Mrs.Pumphrey.
2. "Over-pampering is not only bad for human but also for animals". Explain this statement in the light of the story "A Triumph of Surgery'.
3. Think about the statement given below---

   "Faith can move mountains." Do you think that this feeling had been in Lencho's mind and so he could have been able to write a letter to God? Throw light on his feelings.

4. A simple moment proves to be very significant and saves rest of the day of the poet from being wasted. Explain it on the basis of the poem 'Dust of Snow".

5. Fill in the blanks with suitable verb Forms given in the brackets.

   1. He prefers ....(dance) to ....(run)

   2. Nick _____ (begin) travelling the world in 2008.

   3. When I _____ (go) to the railway station, the train _____ (leave) already the station.

   4. Nick wanted to _____ (kill) himself.

   5. Bethany was _____ (bite) by a shark.

6. Change into Indirect Narration

   1.She said to me ," I like you very much."
   2.I said to her," Why do you like me ?"
   3. Rudra said to Kinjal," Are you stupid ?"
   4. Kinjal said to her father," Bring me a car."
   5. John said to me ," Do you know where he is ?"
   6. Kinjalsaid ," Hurrah ! I have won the scholarship "

Sub: Hindi

१. पठित पाठों एवंछनके प्रश्नोत्तर की पुनरावृति करें।

२. पत्र-लेखन

क. गर्मी की छुट्टियाँ कैसे बितायीप्रइसके बारे में बताते हुए अपने मित्र को एक पत्र लिखें।

ख. अनुशासन के महत्व को बताते हुए अपने छोटे भाई/बहन को एक पत्र लिखें।

ग. अपने शहर में बढ़ते अपराधों के रोकथाम के लिए पुलिस अधीक्षक को एक आवेदन पत्र लिखें।

३. अनुच्छेद लेखन

क. समय का सदुपयोग: सफलता का आधार

(भूमिका, समय के पालन के क्षेत्र, परिणाम, लाभ/हानि, उपसहार)

ख. समाज सेवा: एक नई सोच

(परिचय, आवश्यकता, परिणाम, उपसहार)

ग. मन के जीते जीत है, मन के हारे हार

(भूमिका, आत्मबल, उद्यम, परिणाम, उपसहार)

Sub : Maths

1) If the product of two numbers is 2500 and the HCF is 50,find their LCM.

2) Write the exponent of 3 in the prime factorization of 162.

3) Find a quadratic polynomial whose one zero is -5 and product of zeroes is 0.

4)If p(x) is an on zero polynomial and $p(k^2)=0$,where k is are al number then what is the least degree of p(x)?

5)The graph of a polynomial p(x)does not intersects the x-axis but intersects y- axis in one point .Find the number of zeroes of p(x)

6)Find HCF of 426 and 576.

7)If 2 and-3 are the zeroes of the quadratic polynomial $x^2+(a+1)$ x+b ; then find the values of a?

8)Find a quadratic polynomial whose zeroes are 3+√5 and 3-√5?

9) For what value of k the following pair of line are equation has no solution?

$$2x+ky=1$$

$$6x+4y=3$$

10) Draw the graphs of the equations:

$$4x-3y-6=0; x+3y-9=0$$

Determine the co-ordinates of the vertices of the triangle formed by the lines and the y-axis.

11) In a Δ ABC, $A=x^\circ$, $B=3x^\circ$ and $C=y^\circ$.

If $3y^\circ-5x^\circ=30^\circ$ prove that the triangle is right angled.

12).Find the four angles of a cyclic quadrilateral ABCD in which $A=(2x-1)^\circ$, $B=(y+5)^\circ$, $C=(2y+15)^\circ$ and $D=(4x-7)^\circ$

13)A man starts his job with a certain monthly salary and earns a fixed increment every year.If his salary was Rs.1500 after 4 years of service and Rs.1800 after10 years of service ,what was his starting salary and what is the annual increment?

14)The incomes of X and Y are in the ratio of 8:7and their expenditures are in the ratio of 19:16 .If each saves Rs.1250, find their income.

15)A bag contains 94 coins of 50 paise and25 paise denominations. If the total worth of these coins be Rs.29.75,find the number of coins of each kind.

विषयः--संस्कृत

1.शेमुषी---प्रधमः पाठः "शुचिपर्यावरणम् "

द्वितीयःपाठः--बुद्धिर्बलबती सदा

तृतीयः पाठः--"शिशुलालनम् "

तीनों पाठों के सभी प्रश्नोत्तर व्याकरण सहित याद करें।

2.व्याकरणः--सधिंः---व्यञ्जन एवम् विसर्ग सधिं के नियम याद करें तथा 15 उदाहरण लिखें।

समासः----अव्ययीभाव समास के नियम तथा उदाहरण--समस्तपद/समास तथा विग्रह के दस-दस उदाहरण लिखें।

वाच्य---वाच्य परिवर्तन के नियम लिखें तथा याद करें।

उदाहरण लिखें-----

(I)कर्तृवाच्य से कर्मवाच्य-10 वाक्य

(**ii)**कर्मवाच्य से कर्तृवाच्य **10** वाक्य

(III)भाववाच्य-----5 वाक्य

Sub : Science

Subject - Physics

1. Write mirror formula for spherical mirror. A concave mirror produces three times magnified (enlarged) real image of an object placed at 10 CM in front of it. Where is the image located?

2.The magnification produced by a plane mirror is +1 . What does this mean?

3.Why do we prefer a convex mirror as a rear -view mirror in vehicles?

4.An object is placed at infinity from convex mirror of focal length 30cm. Find the position and nature of the image.

5. Name the type of the mirror used in the following situations.

(a) Headlights of the car   (b) Side/rear -view mirror of a vehicle   (c) Solar Furnace

Subject: Chemistry
1. Balance these chemical equations-
   a) $BaCl_2 + H_2SO_4$ -------> $BaSO_4$ + HCl
   b) $N_2 + H_2$ -------> NH_3

2. Identify the substances oxidized and reduced in –
   a) $Na + O_2$ -------> Na_2O
   b) $CuO + H2$ ------> $Cu + H_2O$
3. Define Exothermic and Endothermic reaction with one example each.
4. Define decomposition reaction. Give one example each where decomposition takes place due to –
   a) Heat   b) Electricity   c) Sunlight

Sub : Biology

1. Explain how does the exchange of gases occur in plants across the surface of stems, roots and leaves?
2. Why do herbivores have longer small intestine than carnivores ?
3. Differentiate between
(a) Aerobic and anaerobic respiration
(b) Arteries and veins
4. Draw a well labelled diagram of Human Digestive System.

Sub: SST

Sub: History
1. Revise chapter1 , The rise of nationalism in Europe
2. Learn and write the exercise question answers of chapter 1
3. Go through internet and see the latest information about all the European countries mentioned in chapter 1

Sub : Civics

1. Learn --1,2
2. Written Work--1. Write short notes on
   a) Federalism b) Civil War c) Majoritarianism
   d) Jurisdiction e) Prudential f) Ethnic
2. Write any five features of federalism.
3. Write different forms of power sharing.
4. Write some of the elements of the Belgian Model .

Sub: Geography
1. All questions and answers of Chapter-2.
2. Map skill of chapter-1.

Sub: Economics

Learn and revise " Development"

Answer the following questions

1. Compare India and Sri Lanka in the basis of any three indicators of the human development index.
2. List a few examples of environmental degradation that you may have observed around you.
3. Why do we use averages ? Are three any limitations to their use? Illustrate with your own examples related to the development .
4. Assume there are four families in a country . The average per capita income of these families is Rs 5000 . If the income of the three families is Rs 4000, Rs7000 and Rs 3000 respectively what is the income of the fourth family .
5. What is the main criterion used by the world bank in clarifying different countries ? what are the limitations of this criterion ?
6. "Money cannot buy all the goods and services that are needs to live well ". Explain
7. Distinguish between human and economic development

Subject : IT

Holiday Hw : To prepare a project in channel file related to Different types of Stress and their Solutions