Subject: English

Q1. **Read the following passage carefully:**

Though the house and the grounds of our home in Dehra were Grandfather's domain where he kept his odd assortment of pets, the magnificent old banyan tree was mine. My Grandfather, at the age of sixty-five, could no longer climb the trees. The spreading branches of the banyan tree, which curved to the ground and took root again, forming a maze of arches, gave me endless pleasure. The tree was older than the house, older than Grandfather, as old as the town of Dehra, nestling in a valley at the foot of the Himalayas.

My first friend was a small grey squirrel. Arching his back and sniffing into the air, he seemed to first resent my invasion into his privacy. When he found out that I did not arm myself with a catapult or an air-gun, he became friendlier. I started leaving him pieces of cake and biscuits, he grew bolder and finally became familiar enough to take food from my hands.

In the spring, when the banyan tree was full of small red figs, the birds of all kinds would flock into its branches, the red-bottomed bulbul, cheerful and greedy; gossiping rosy-pastors; parrots and crows, squabbling with each other all the time. During the fig season, the banyan tree was the noisiest place on the road.

Halfway up the tree I built a small platform on which I would often spend the afternoons when it wasn't too hot. I could read there, propping myself up against the bole of the tree with the cushions taken from the drawing room, Treasure Island, Huckleberry Fin, the Mowgli stories and detective novels made up my bag of mixed reading.

When I didn't want to read, I could look down through the banyan leaves at the world below, at Grandmother hanging up or taking down washing, or at the cook quarrelling with the vendor or at Grandfather grumbling at the hardy Indian marigold, which insisted on springing up all over his very English garden. Usually nothing exciting happened while I was in the banyan tree, but on one afternoon,I had enough excitement to last me through the summer.

That was the time when I saw a mongoose and cobra fight to death in the garden, while I sat directly above them in the banyan tree. In a clearing beneath the tree, they came face to face. It was to be the battle of the champions!

1.1 On the basis of your reading of the passage, answer the following questions: (1x3=3)
a) Why did the squirrel befriend the narrator?
b) Why was the banyan tree the noisiest place during the fig season?
c) What exciting thing happened on one afternoon?

1.2 Find the words from the passage which mean the same as: (1/2 x4=2)
a) an area of territory owned or controlled by a particular person
b) to capture
c) to quarrel noisily over a trivial matter
d) to murmur or mutter in discontent

Q2. You are Amit Kumar, the Sports Captain of St. George School, Pune. The school has organized the Inter House Volleyball match for classes VI-VIII. Draft a notice inviting the students to see the match. Also inform the House Captains to maintain discipline during the match. Include necessary details like date, place time etc. Your notice should not exceed 50 words. **(2)**

Q3. You are Mohit residing at Flat. No -9, Mayur Vihar, Mansa Devi Complex, Manimajra, Gwalior. Write a letter in about 120 words to your friend Mukesh, congratulating him on being appointed as the Head Boy of the School. **(3)**

Q4. Fill in the blanks with appropriate words. **(1/2 x4=2)**

A woman was waiting at an airport one night, with several long hours before her flight. She (a)_____ (hunt) for a book in the airport shops, (b)_____ (buy) a bag of cookies and found a place to sit. She (c) _____(engross) in her book but happened to see that the man sitting beside her, bold as could be, grabbed a cookie or two from the bag in between, which she tried to ignore to avoid a scene. So, she (d) _____ (munch) on the cookies and watched the clock, as the gutsy thief diminished her stock.

Q5. Read the conversation given below and complete the conversation. **(1/2 x4=2)**

Rekha: I want to tell you something.
House Captain: What is it?
Rekha: I do not have a house t-shirt for the match today.
House Captain: Can you borrow it from someone?
Rekha: That's a good idea!

Rekha told the House Captain (a) _____. The House Captain asked her(b)_____. Rekha informed him that (c)_____. At this, the House Captain further asked Rekha (d)_____. Rekha exclaimed that it was a good idea.

Q6. Fill in the blanks with suitable words. **(1/4 x4=1)**

Years went a) _____ the Giant grew very old and feeble. He could not play about any longer, so he sat b) _____ a huge chair. He watched the children, playing. One winter morning he looked out c) _____ his window. In the farthest corner d) _____the garden was a tree covered with lovely white blossoms.

Answer the following questions in 20-30 words. **(2x2=4)**
Q7. What is the essential difference between a native and a foreigner?
Q8. How does Tit lead into Tat'?
Answer the following questions in about 80 words. **(3x2=6)**
Q9. How did the lizard die in the lesson Rappaccini's Daughter? When did Giovanni find out that he had turned poisonous?

Q10. What was a 'Front'? How were the school children not safe from the Home Guards?

Subject: Hindi

निम्नलिखित प्रश्नों के उत्तर दीजिए —   (2×10 = 20)

प्रश्न 1 आपको कौन-सा मौसम अच्छा लगता है और क्यों? कारण सहित उत्तर दीजिए।

प्रश्न 2 **लाख की चूड़ी** और **काँच की चूड़ी** में क्या अंतर है? आपकी माँ को किस तरह की चूड़ी पसंद है?

प्रश्न 3 'बस की यात्रा 'पाठ में लेखक को उस खटारा बस में यात्रा क्यों करनी पड़ी? क्या कभी आपके साथ भी ऐसा हुआ है?अनुभव साझा करें।

प्रश्न 4 वस्तु-विनिमय किसे कहते हैं? पहले के समय और आज के समय में क्या-क्या बदलाव आया है?

प्रश्न 5वसंत ऋतु में आने वाले विभिन्न त्योहारों का नाम व उनकी विशेषताएँ लिखिए।

प्रश्न 6 **दीवानों की हस्ती** नामक कविता की कौन -सी बात आपको अच्छी लगी?

प्रश्न 7 आपके अनुसार महात्मा बुद्ध के जन्म के समय प्रकृति में परिवर्तन होने का क्या कारण हो सकता है?इससे हमने क्या सीखा?

प्रश्न 8 राजा शुद्धोदन ने अपने पुत्र को संन्यासी बनने से रोकने के लिए क्या-क्या किया और क्यों?

प्रश्न 9 महारानी माया ने सपने में क्या देखा?आपके विचार से रानी को डर क्यों नहीं लगा होगा?

प्रश्न 10 सिद्धार्थ का नाम गौतम कैसे पड़ा?
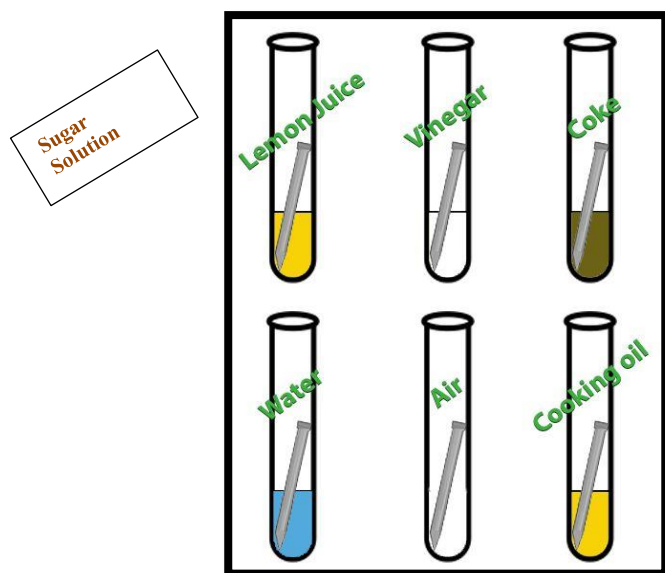
Subject - Mathematics

Q.1 Find four rational numbers between 1.5 and 1.7 **(2)**

Q.2 The base of a right triangle is $3\frac{1}{2}$ cm and its altitude is $\frac{4}{7}$ cm. Find the area of the triangle. **(2)**

Q.3 A sports car covers a distance of 440 km in $2\frac{1}{5}$ hours. Find the speed of the car. Also find the time taken to cover a distance of 600 km by that car. **(3)**

Q.4 Solve the equation: $7x + 5 = 3(x – 2) – 1$. Check your answer also. **(3)**

Q.5 Find a number whose fourth part when decreased by 20 is equal to its fifth part increased by 30. **(3)**

Q.6 Two houses on the same side of the road have numbers as consecutive even numbers. If the sum of these two-house numbers is 1446, find the number of each house. **(3)**

Q.7 If 5 times a number exceeds 25 by 5, find the number. **(3)**

Q.8 Subtract the sum of rational numbers 5/8 and ½ from its product. **(3)**

Q.9 Explain Closure property of rational numbers under all four arithmetic operations. **(4)**

Q.10 Case Study: Radhika works in a multinational company. She spends half of her monthly salary in paying the installment, one-third on conveyance and donate rest of the amount to an orphanage. The money donated is ₹5000. Read the situation and answer the following question:

(a) What is Radhika's monthly income?

(b) How much amount is spent in paying the installments? **(2x2)**

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Subject: Science

ACTIVITY

Yash was helping his father in putting a family photo frame on the wall using hammer and nail. The packet of nail was not the same as his father bought from the hardware shop. Yash got curious to know the reason behind this and did an experiment to study the change of colour of nails. Yash conducted the experiment following the steps given below:

1. Set up the 6 cups and label each cup as shown in the picture.

2. As per the labelling submerge half of the nail in cups containing different liquids.
3. Observe the nails in different cups.
4. Record your observations using the table given below.

S. No.	Liquid	Observation
1	Lemon Juice	
2	Sugar Solution	
3	Coke	
4	Water	
5	Air	
6	Cooking Oil	

Based on your observations, answer the following questions:

1. In which of the cases did the nail rust first? Explain.
2. Will a nail completely submerged in cooking oil show the formation of rust? Justify your answer.
3. What will happen if aluminum foil is placed in the test tube containing lemon juice?

Q1. Sort the following materials into-biodegradable and non-biodegradable - Plastic bottle, flower, wooden bowl, banana peel, cotton cloth, soda can.   **(2)**

Q2. Siberian cranes face food shortage and extreme weather conditions during winter season. What do they do for their survival?   **(2)**

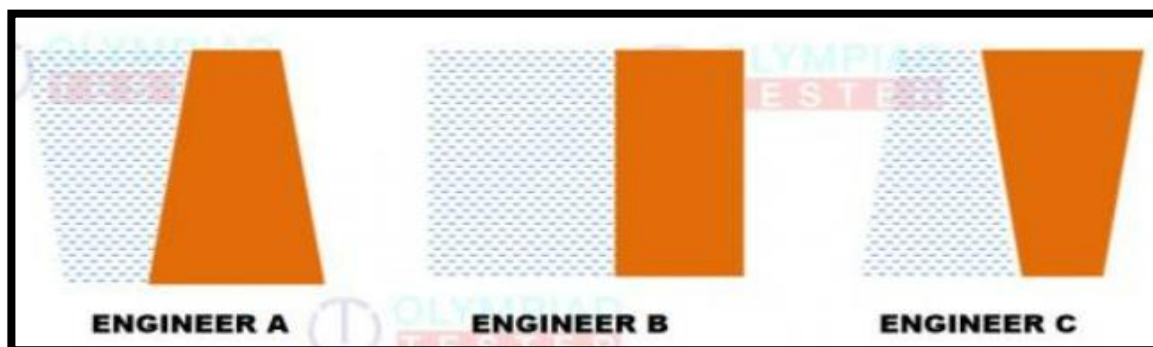**Q3.** The following table shows the yields of three successive crops grown between the years 2016 to
2019. **(2)**

Year	Crop	Yield(tonne/ hectare)
2016	Wheat	6.5
2017	Wheat	5.8
2018	Pea	6.8
2019	Wheat	7.9

(i)   What is the main reason for decrease in yield from 2016 to 2017?
(ii)   Why the yield was more in 2019?

Q4. Three engineers were asked to design a dam. The outline of their plans is shown below. Whose plan
should be approved? Justify. **(2)**

ENGINEER A   ENGINEER B   ENGINEER C

Q5. Have you heard of the campaign**: 'Say No to Plastics"**? Enlist three ways to check the usage of
plastics.
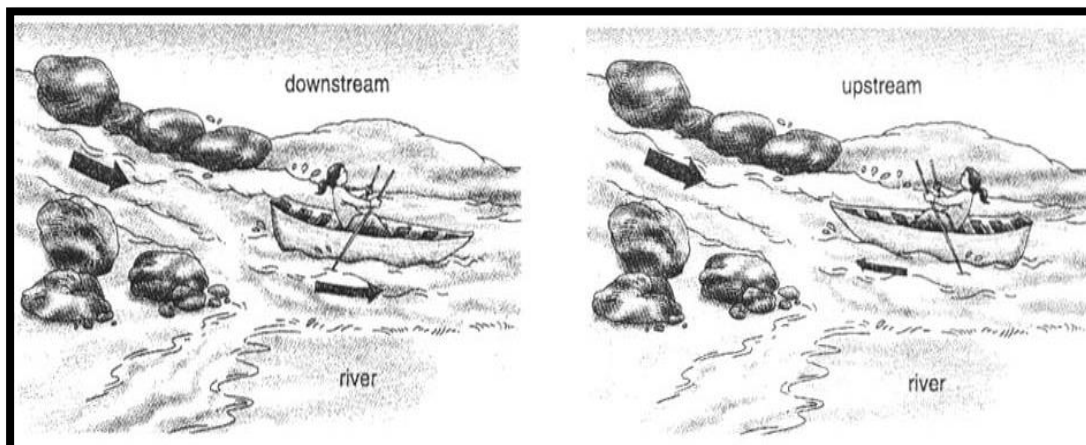
Q6. Give reasons. **(3)**
   (i) Leguminous crops are grown at regular intervals.
   (ii) Drip irrigation conserves water.
   (iii)Conservation of biodiversity is an international concern.

Q7. Explain how harvested crops may be protected from insects and microbes? **(3)**

Q8. Ritu rows a boat with a force of 700 N while running water applies a force of 500 N. Look at the picture

and calculate the following. **(1.5+1.5)**
  (i)   Resultant force while going downstream (that is, the direction of the river and the boat is the same).
  (ii)   Resultant force while going upstream (that is, the direction of the river is opposite to the direction in which the boat is moving).

Q9. Riya's father got transfer to another place. While sorting out the things Riya found many of her clothes of various fabrics were not fitting her or worn-out. She thought of burning them to get rid of them. But her friend Shweta suggested donating it to some charity house so that it can be reused. **(1+1+1+2)**
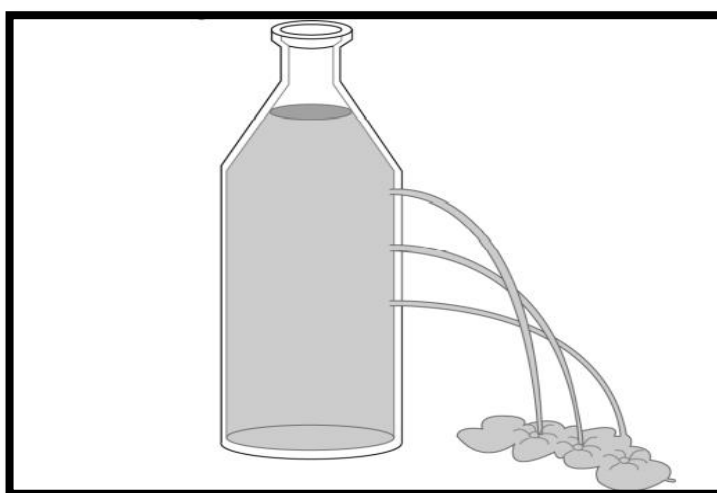 (i) What are the two main types of fibres?
  (ii) Which fabrics are known to be skin friendly? Why?
  (iii)Why should we not burn synthetic clothes?
  (iv)Enlist the properties of synthetic fibres.

Q10. (i) A porter kept a box on a round cloth of area 200 cm^2 over his head. The pressure exerted by the box is 0.25 N/cm2. If the porter increases the area of the round cloth to 300 cm2. What will be the reduced pressure on his head? **(3+2)**
 (ii) A student pours water in a bottle and drill three holes at different heights in the bottle. The water starts coming out as shown in the picture below. List the inferences which can be made from the experiment conducted.

Subject: Social Science

General Instructions:
- ➢ The work should be done neatly and in a systematic way.
- ➢ The given worksheets are to be done in History and Civics notebook.
- ➢ Mention the number of worksheet while doing the work.
- ➢ Write questions along with the answers and number them correctly.
- ➢ Maps/diagrams are to be pasted/done in the notebook.
- ➢ Project work is to done in a scrap file.

Q1. Why was it difficult for the Indians to get selected in the administrative service competitive examination?   2

Q2. Define the given terms:
    (i) Sovereignty   (ii) Socialism   2

Q3.Write a short note on 'Directive Principles of State Policy- a conscience of the   Constitution.'
    2

Q4. Why is land considered as an important resource? List any two ways to conserve land resource.
    2

Q5. What is federalism? How does it work in India?   3

Q6. "The people of Bengal suffered immensely under the Dual or Double Government." Explain the system with special reference to Bengal.   3

Q7. Make a G.O on different types of soils. Write about the soil formed due to weathering of volcanic rocks?   3

Q8. List any three features of our Constitution which have been adopted from the Constitution from other countries?   3

Q9. Answer the given questions briefly: 5

(i) When did the battle of Plassey take place? Who lead East India Company?
(ii) What were the two main causes of the battle?
(iii) Why was Siraj-ud-Daulah defeated in the battle of Plassey?
(iv) The 'Battle of Plassey' is an important landmark in the history of India. Comment.

Q10. Project Work   5
- • The government collects information about residents of India through its population census. Officials visit each and every household and collect data about language, religion, migration, etc.
- • Find out the information which is to be gathered through the census. How is it different from or similar to a survey? What materials or instruments do officials use while conducting a survey?
- • Pen down the relevant information with appropriate pictures in a scrap book.

प्रश्न 1   धातु रूपाणि लिखत।   (1×4=4)

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(1) 'गम्' धातु - लंगलकारः,   मध्यम पुरूषः।

(2) 'भू' धातु - लृट् लकारः   प्रथम पुरूषः।

(3) 'चर्' धातु - लोट् लकारः   उत्तम पुरूषः।

(4) 'गम्' धातु - लट्लकारः,   मध्यम पुरूषः।

प्रश्न 2   शब्द रूपाणि लिखत।   (1×4=4)

(1) ' देव ' शब्द   द्वितीया विभक्तिः।

(2) ' लता ' शब्द   तृतीया विभक्तिः ।

(3) ' तत् ' शब्द [पुल्लिंग] षष्ठी विभक्तिः ।

(4) ' तत् ' शब्द [पुल्लिंग] चतुर्थी विभक्तिः ।

प्रश्न 3 मञ्जूषायां प्रदत्तैः उचित अव्ययपदैः रिक्तस्थानानि पूरयत -   (1×4= 4)

| मञ्जूषा - सततम् ,   मा ,   इतस्ततः , एकदा |

(1) ------ ग्रामे एकः साधुः अगच्छत्।

(2) कक्षायाम्   ------ कोलाहलम्।

(3) बालकाः ------ खेलन्ति।

(4) ------ वर्षा अभवत्।

प्रश्न 4 अधोलिखितेषु रिक्तस्थानेषु प्रकृति प्रत्ययं संयोज्य वाक्यपूर्तिं कुरूत -   (1×4= 4)

(1) रामः ------ (हस् + क्त्वा) वदति।

(2) श्रोतागणः गीतम्   ------ (श्रु+क्त्वा) प्रसन्नं भवन्ति।

(3) राहुलः ईश्वरम् ------ (नम् + क्त्वा) विद्यालयम् गच्छति।

(4) मोहनः कार्यम् पूर्णम् ------ (कृ+ क्त्वा) शयनम् करोति।

प्रश्न 5 कोष्ठके प्रदत्तैः उचित संख्या पदैः रिक्तस्थानानि पूरयत -   (1×4= 4)

(1) क्रीडाक्षेत्रे   ------ बालकाः वार्षिकोत्सवस्य अभ्यासं कुर्वन्ति।(22)

(2) प्रार्थनासभायाम् ------ छात्राः प्रार्थनां कुर्वन्ति । (30)

(3) मम वाटिकायां .... वृक्षाः सन्ति। (12)

(4) कक्षायाम् .... छात्राः सन्ति। (29)

Subject: Computer Science

Q1. Using multiple statement, write the corresponding Python assignment statements.   **(1x5=5)**

   a) Assign 28 to variable length and 50 to variable breadth

   b) Assign a list containing strings 'Pen', 'Color', and 'Gum' to a variable stationery.

   c) Assign the strings 'Indira', 'Gandhi' to variables first and last.

   d) Assign the values 5500, 0.6 and 4 years to the variables p, r and t.

   e) Assign the values 22, 6.5, 8 to the variable t.

Q2. What will be the output of the following Python programs?   **(1x5=5)**

   a) t='Object Oriented Language'

       print(t)

   b) >>>print (602+42)

   c) a=200

       b=a

       print ('The value of b is=',b)

   d) >>>print (164/2)

   e) >>>print (40.5+(-9.5))

Q3. Answer the following questions: -   **(2+2+1=5)**

   a) How does a computer understand the assembly language?

   b) Why do we use comments in Python?

   c) Categorize the following in different data type.

       i) T=26

       ii) x='Adobe Flash CS3'