Subject: English

Q1. Read the following passage carefully:

One of the principal values of travelling is that it breaks the monotony of life and work. Life, for most people, is a mad rush from one place to another, from one activity to another, trying to gather as much as possible.

In this process, people tend to forget who they are and what they are. There is no time to ponder and wonder. They tend to forget the values of life. Travelling is a time when people relax, reflect, and ponder. Most people, after a pleasant travel, return home with a fresh outlook, new zeal, and a better determination.

Travelling has also a great informative value. It widens the grasp of our knowledge of geography, different cultures and people etc. For example, when people of Assam visit South India, they learn a great deal. They come to know about the geographical features of South India, such as the existence of numerous rivers, coconut groves, backwaters, spice gardens, rubber plantations, oceans, seas, factories and cities, etc.

They also learn many things about the Dravidian culture which characterise the people's style of living there. They come to know about their mode of living, social life, agriculture, worship, beliefs, art forms, etc. Such a visit is bound to enlighten the visitor and make him/her more appreciative of other cultures.

The beauty and the cold of the hills, the charm of the valleys, the chirping of the birds, the song of the rivers, the howling of animals, pleasant air, quiet places, etc., can heal many of our mental and physical problems. In the Indian context, travelling and visiting places have another important value that of understanding other's traditions and cultures.

A visit to various parts of India will make us realize that India is a mosaic of cultures, races and creed and that diversity is the chief hall mark of our land. In this context, travelling can help national integration and unity to a great extent.

Thus, travelling has a tremendous educative, informative and social value. It widens people's mental horizon, improves health, adds thrill and relaxation to life, dispels boredom and helps promote national integration. Therefore, educational tour should become an integral part of modern education. Travelling also boosts our national economy and the development of tourism industry.

On the basis of your reading of the above passage, answer the following questions: (1x5=5)
(a) According to the writer, how can we break the monotony of life and work?
(b) Give an example to show that travelling has a great informative value.
(c) How can travelling promote national integration?
(d) Give any two benefits of travelling.
(e) Which word in Para 2 means the same as 'contemplate'?

Q2 You are Anivesh /Anurita Yadav, the Sports Captain of Jawaharlal Nehru Public School, Varanasi. Draft a notice in about 50 words inviting the students of classes VI to XII to give their names for Inter House Basketball match to their sports captain. Include all the necessary details of the match to be played. Put the notice in a box. **(2)**

Q3. You are Mayank/Mehak residing at 23 A, Dayal Bagh Colony, Hyderabad. Your pen- friend living in Canada had asked you to describe one of the festivals in India. Write a letter to him describing an important festival you have celebrated recently. **(3)**

Q4. Fill in the blanks with the correct form of the words given in the bracket. **(½ x4=2)**

Nitin had lost his way home (a)_____ he was not scared. (and / but). He knew he was in the woods (b)_____ he could hear the sound of some wolves howling. (as / and). His legs began to hurt (c)_____ he kept walking. (but/or) The road forked into two narrow paths. He could (d) _____ go left _____ right. (either – or/ neither – nor) He wondered which road would lead him to his village. He saw that one of the paths looked more worm out than the other.

Q5. Fill in the blanks with suitable words. **(½ x4=2)**

I am going to the countryside (a)_____the afternoon may be (b) _____three o'clock. I am coming back (c) _____Sunday evening. I'll catch the half (d) _____seven train on Sunday. So, you'll be there for the whole weekend. I'll be missing you.

Q6. Fill in the blanks with the correct form of the words. **(¼ x4=1)**

I (a) _____ (wait) to wash my school uniform myself. So yesterday I, (b)_____ (dip) the uniform in the soapy lukewarm water for some time. Next, I scrubbed on the collar and cuffs. Then I _____(rinse) the uniform in water for a few minutes. After (d) _____ (rinse) thoroughly, I wrung out the excess water gently.

Answer the following questions in 20-30 words. **(2x2=4)**

Q7. What two changes take place when we cross the boundaries of our own native countries?
Q8. Why is there a conflict between the natives and foreigners?

Answer the following questions in about 80 words. **(3x2=6)**

Q9. How did Rappaccini study or observe the plants in his garden? Why does he want Beatrice to take care of the plants?
Q10. Why were the Home Guard soldiers named Dad's Army? How were they harmful for their own countrymen? (Give one example)

निर्देश — 1 दिए गए सभी प्रश्नों के उत्तर हिन्दी की उत्तर पुस्तिका में लिखिए।

2 सभी प्रश्नों के उत्तर पूर्ण वाक्य में लिखकर स्थानों को रेखांकित कीजिए।

3 कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में कीजिए।

प्रश्न 1 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए— **(10)**

स्वतंत्र भारत का संपूर्ण दायित्व आज विद्यार्थियों के कंधों पर है। कारण आज जो विद्यार्थी हैं वे ही कल के भारत के नागरिक होंगे। भारत की उन्नति एवं उसका उत्थान उन्हीं की उन्नति और उत्थान पर निर्भर करता है। अत: विद्यार्थियों को चाहिए कि वे अपने भावी जीवन का निर्माण बड़ी सतर्कता और सावधानी के साथ करें। उन्हें प्रत्येक क्षण अपने राष्ट्र, अपने समाज, अपने धर्म और अपनी संस्कृति को अपनी आँखों के सामने रखना चाहिए जिससे उनके जीवन से राष्ट्र को कुछ शक्ति प्राप्त हो सके। जो विद्यार्थी राष्ट्रीय दृष्टिकोण से अपने जीवन का निर्माण नहीं करते वे राष्ट्र और समाज के लिए बोझ बन जाते हैं।

1 किसी भी देश की उन्नति और उत्थान किस पर निर्भर करता है तथा क्यों? (2)

2 राष्ट्र को शक्तिशाली बनाने हेतु विद्यार्थियों का क्या कर्तव्य है? (2)

3 किस तरह के विद्यार्थी राष्ट्र के लिए बोझ बन जाते हैं? (2)

4 **स्वतंत्र** व **उन्नति** शब्द का विलोम शब्द लिखिए। (2)

5 'राष्ट्रीय' शब्द का वर्ण-विच्छेद कीजिए। (2)

प्रश्न 2 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए— **(10)**

ज्ञान वृद्धि और आनंद की प्राप्ति का एक प्रमुख साधन अध्ययन है। वह आत्म-संस्कार के विधान का एक अंग है। किसी जाति के साहित्य में गति प्राप्त करने का कोई और द्वार नहीं है। किसी जाति के भाव और विचार साहित्य में ही व्यक्त रहते हैं तथा उसी में उसकी उन्नति के क्रम का लेख रहता है। मनुष्य जाति के सुख और कल्याण के विषय में संसार में प्रतिभा संपन्न लोगों ने जो सिद्धांत स्थिर किए हैं उन्हें जानने का साधन स्वाध्याय ही है। जो पढ़ता नहीं है, उसे इस बात की खबर ही नहीं रहती कि मनुष्य की ज्ञान परंपरा किस सीमा तक पहुँच चुकी है। वह और यह जानता ही नहीं कि मनुष्यों के श्रम से एक मार्ग तैयार हो चुका है।

1 अध्ययन का क्या उद्देश्य है? (2)

2 जो पढ़ता नहीं है, उसे किस बात की जानकारी नहीं होती है? (2)

3 साहित्य में क्या-क्या होता है? (2)

4 **संसार** और **मनुष्य** शब्द के दो-दो पर्यायवाची शब्द लिखिए। (2)

5 'संपन्न' शब्द का अर्थ लिखकर वाक्य बनाइए। (2)

Subject - Mathematics

Q.1) Find the additive inverse and multiplicative inverse of:
(i) 0   (ii) (-15)/(-11) **(2)**

Q.2) If $x/0.3 = 3.3$ then find the value of $100x$. **(2)**

Q.3) Find three consecutive odd numbers whose sum is 93. **(3)**

Q.4) Solve: $(x-3)/5 + (x-4)/7 = 6 - (2x-1)/35$. **(3)**

Q.5) Verify that: ((-5)/8+9/8) + 13/8 = (-5)/8 + (9/8 + 13/8) **(3)**

Q.6) What number should be added to -5/16 to get 7/24? **(3)**

Q.7) Find 6 rational numbers between -1/3 and -3/5. **(3)**

Q.8) The width of a rectangular garden is 2/3 of its length. If its perimeter is 40 m, find its dimensions. **(3)**

Q.9) (a) Divide (-4)/5 by 9/(-15) **(1)**

(b) Deveshi has a total of ₹590 as currency notes in the denominations of ₹ 50, ₹ 20 and ₹10.
The ratio of numbers of ₹50 notes and ₹20 notes is 3:5.if she has a total of 25 notes, find the number of notes of each denomination with her **(3)**

Q.10) "Mathematics plays a very important role in our daily life". Make a colorful poster on A3 size sheet to show the use of mathematics in our real life situations. **(4)**

Subject: Science

Objectives:
● Revision of concepts
● Application of the concepts to real life situations.
● Skills to carry out research work and develop scientific aptitude

Instructions:
● Neatly write all the answers in your science notebook.
● Attempt the questions keeping in mind the weightage of each question.

ACTIVITY

With reference to the activity of designing the model of an electric vehicle on a virtual platform (Minecraft, etc), prepare a power point presentation to showcase your research.

The PPT should include the following:
• Images of the vehicle designed by you on the virtual platform.
• Comparative study of the different fuel-based vehicles (petrol, diesel, CNG, electricity) based on the of the given parameters.
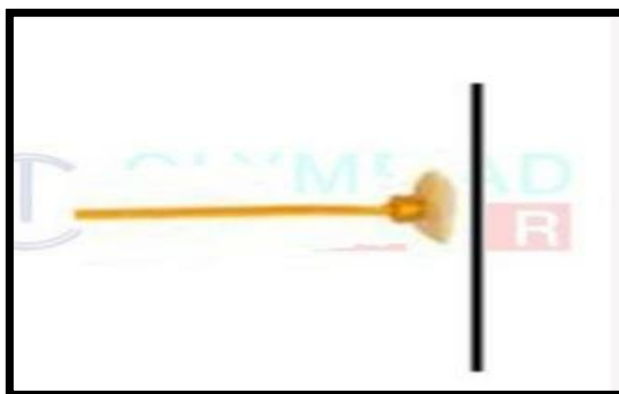
Different Fuel based vehicles	Calorific value	Fuel efficiency	Cost	Mileage	Noise pollution	Level of Air pollution
Petrol						
Diesel						
CNG						
Electricity						

• Analyse and represent the data obtained graphically (bar graph/line graph).
• Draw a conclusion from the above analysis.

Q1. Riya observed that the vacuum pump sticks to the surface of the wall as shown in the picture given below. What can be the possible reason for this observation? **(2)**

Q2. Burning of plastics and synthetic fibres causes air pollution. Give two points to support the statement. **(2)**
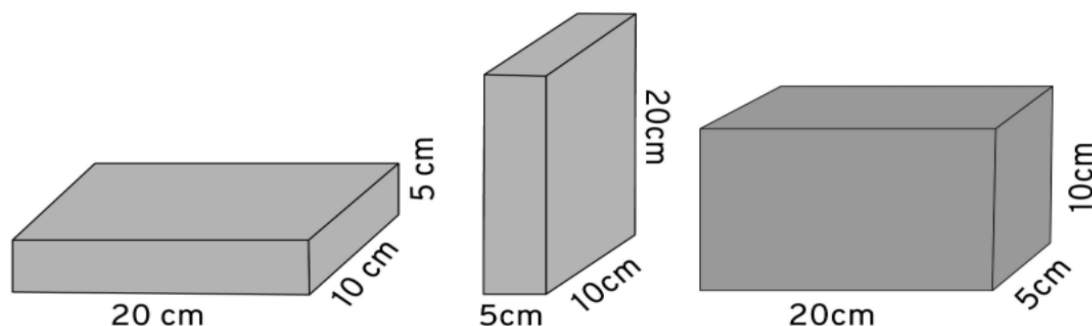
Q3. Distinguish between the characteristics of natural and synthetic fibre (two points of difference). **(2)**

Q4. How is excessive irrigation harmful to crops? **(2)**

Q5. The figure given below shows a brick of weight 2N and dimensions 20 cm × 10 cm × 5 cm. It is placed in three different positions on the ground. Find the pressure exerted by the brick in each case. **(3)**

Q6. Synthetic fibres brought a revolution in the textile industry. Enlist three points to explain the statement. **(3)**

Q7. Being a responsible citizen how can we avoid plastics? **(3)**

Q8. Do nothing' to interfere with the nature. Write a few points in support of this statement. **(3)**

Q9. Give reasons for the following: **(5)**

   a) The steering wheel of a vehicle is of large diameter.

   b) The pressure exerted on our body due to atmosphere is high but we do not get crushed.

   c) It is easier to burst an inflated balloon with a needle than with a finger.

   d) The wheels of a war tank are covered by broad chains.

   e) Mountain climber experience nose bleeding when the altitude changes.

Q10. Locate and identify any five biosphere reserves and five national parks on a political map of India. **(5)**

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.

Answer the following questions: **M.M: 30**

Q1. How can you explain the change in history from Ancient to Modern?   **2**

ANCIENT → MEDIEVAL → MODERN

Q2. Why are rules important?   **2**

Q3. Why 26 January was chosen as the day to declare India a Republic?   **2**

Q4. Can a gift of nature become a resource in the future? Comment.   **2**

Q5. Differentiate between biotic an abiotic resources with examples.   **3**

Q6. Why should a country have a constitution? Discuss.   **3**

Q7. What is female foeticide? Discuss the efforts made by the government to curb female
foeticide.   **3**

Q8. Answer in short.   **(1+2=3)**
   i) Why did the Company want a puppet ruler?
   ii) What are factories? Why were they named so?

Q9. Write short note on: **(2½x2=5)**
   i) Utility of natural resource   ii) Land use

Q10. Map Work
   Mark and label the following factories on the political map of India. Also, mention the European
   countries to which these belong to.   **5**
   i) Surat   ii) Mahe   iii) Chandermagore   iv) Masulipatnam   v) Pondicherry

निर्देश– 1 प्रदत्त प्रश्नानाम् उत्तरम् संस्कृत पुस्तिकायाम् एव लिखत।
   2 प्रश्नानाम उत्तरम् पूर्णवाक्येन लिखित्वा रिक्तस्थानानि रेखांकित करणीय।
   3 कार्यम् स्वच्छं ,शुद्धं एवं स्पष्टं लेखम् एव लेखनीय।

प्रश्न 1 अधोलिखितं गद्यांशं पठित्वा प्रश्नान् उत्तरत – (10)

अस्माकं देशे प्राकृतिक शोभा अतीव मनोहारी रमणीया च भवति।एकस्मिन वर्षे द्वादश मासाः भवन्ति।वर्षस्य द्वादश मासे क्रमशः षड् ऋतवः आयन्ति।एते ऋतवः समयानुसारेण आगच्छन्ति। वर्षस्य द्वादश मासेषु वैशाख मासे पृथ्वीः तप्ता भवति।उष्णवायोः प्रवाहेन सर्वे जनाः पशवः पक्षिणः च संतप्ताः भवन्ति।सरिताः ,जलाशयाः च शुष्यन्ति। सर्वे प्राणिनः व्याकुलाः भवन्ति।जलं वाष्पीभूय आकाशं प्रति गच्छति।आषाढ़ मास आरम्भे सागरात् मेघाः प्रादुर्भवन्ति तदा आगच्छति वर्षाकालः। वर्षा काले सर्वतः मेघाः आकाशम् आच्छादयन्ति।गगने एकत्रीभूता: जलदाः गर्जनं कुर्वन्ति, वारं- वारं पतन्ति।बालाः वृद्धाः च सर्वे जनाः प्रसीदन्ति।वर्षा अनन्तरं वृक्षाः स्नाताः इव दृश्यते। शुष्काः सरोवराः जलपूरिताः भवन्ति।वर्षाकाले चतुर्दिक्षु हरीतिमा वर्तते।तडागानाम् नदीनाम् वा तटेषु उपविष्टाः बकाः, सारसाः, हंसाः च जलक्रीडां कुर्वन्ति।गगनमण्डले मेघानाम् समूहं दृष्ट्वा मयूराः नृत्यन्ति।मेघानाम् मध्ये इन्द्रधनुषस्य शोभा अतीव रमणीया भवति ।शीतलः सुखदः च समीरः प्रवहति।वर्षया भूमिः कोमला कृषियोग्या च भवति।कृषकाः क्षेत्रैषु धान्यानां बीजानि वपन्ति।वर्षा कृषकाणाम् अतिप्रिया भवति।परन्तु महती वर्षा हानिकरा भवति।

   1 एक पदेन उत्तरत - (1×4=4)
   (क) अस्माकम् देशे प्राकृतिक शोभा कीदृशा भवति ?
   (ख) एकस्मिन् वर्षे कति मासाः भवन्ति?
   (ग) पृथ्वी कदा तप्ता भवति ?
   (घ) जलम् वाष्पीभूयः कम् प्रति गच्छति?

   2 पूर्णवाक्येन उत्तरत - (2×2= 4)
   (क) उष्णवायोः प्रवाहेन किम् भवति?
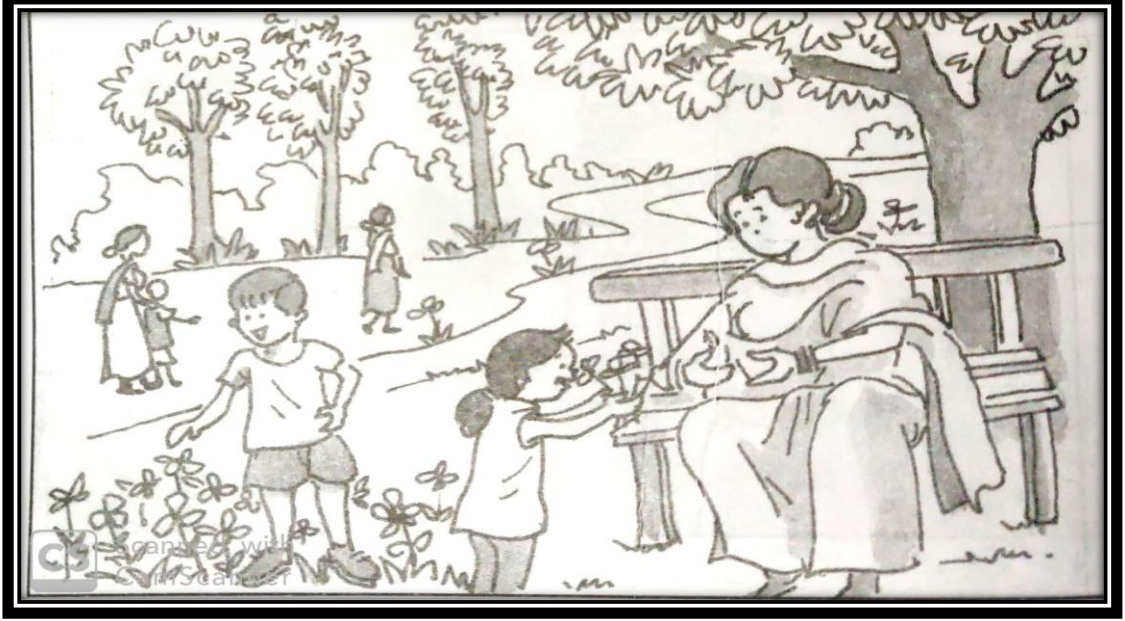   (ख) वर्षाकालः कदा आगच्छति ?

   3 निर्देशानुसारेण उत्तरत - (½ x 4= 2)
   (क) ' शीतलः समीरः ' इति पदयोः प्रयुक्तं विशेषण विशेष्यं पदं च लिखत।
   (ख) ' कोमला'' सुखदः' इति पदयोः विलोम पदम् गद्यांशात् चित्वा लिखत।

प्रश्न 2 चित्रं दृष्ट्वा मञ्जूषायां प्रदत्त पदानाम् सहायतया रिक्तस्थानानि पूरयत - (½x 10 = 5)

मञ्जूषा - बालकः , स्निह्यति , उपवनस्य , तिस्रः, एका, पत्राणि , वृक्षाः , पुष्पाणि , मार्गम् , पश्यति

1 इदम् ------ चित्रम् अस्ति।   6 एकः बालकः पुष्पाणि ------ ।
2 चित्रे अनेके हरिताः------ सन्ति ।   7 चित्रे ------ महिलाः सन्तिः।
3 चित्रे एकः ------ अस्ति।   8 वृक्षस्य उपरि अनेकानि ------ सन्ति।
4 एका बालिका महिलाम् ------ यच्छति । 9 ------ उभयतः वृक्षाः सन्ति।
5 उद्याने ------ आसन्दिका अस्ति।   10 महिला बालकम् ------।

प्रश्न 3 घटिकां रचयित्वा प्रदत्त समयं संस्कृते लिखत -   (1x5= 5)
      4:30   12:00   1:45   2:15   5:00

Subject: Computer Science

INSTRUCTIONS:
- All the practical based homework to be uploaded under **Assignments** in **Microsoft Teams** and worksheets to be done neatly in the Computer Notebook.
- The screenshots of each question of the Python Program and the output should be pasted in the word file. Save the file in the pdf format with the file name as

   '*Python - Student Name'. For eg:- Python – Sakshi Sharma.*

Q1. Name the following: -   **(½ x 4=2)**
   a) It is a set of commands, instructions and other syntax that is used to create software programs. ……………………………………….
   b) The statement is used to display the output of the commands. ………………………………
   c) The language that uses the mnemonic codes. …………………………..
   d) It is used to define a block of code for class, function or loop in Python. ……………………..

Q2. Answer the following questions:-   **(1x3=3)**

   a) What are statements in Python programming? How can we create a multiline statement in Python?
   b) Explain data types in Python programming with the help of an example.
   c) List any four features of Python.

Q3. Practical Based Questions:-   **(2x 5=10)**

   Write the Python programs for the following:-
   a) To find the perimeter of the rectangle whose length is 12 cm and breadth is 42 cm. $[p=2*(l+b)]$.
   b) To find the area of parallelogram whose base is 60 cm and height is 130 cm. $[a=b*h]$.
   c) Take two variables x and y. Assign them the values 456 and 140 respectively. Display the values of x and y variables using the print( ) statement.
   d) Using the print( ) command display the message 'Python Installation Wizard' on the IDLE Shell prompt.
   e) To find the difference of two numbers 75 and 20 by assigning it to the variables a and b.