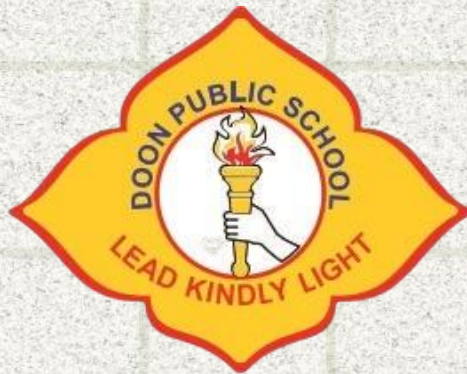


*Doon Public School*

# *Doon Public School*

**A New Generation Sr. Sec. School | Recognised & Affiliated to CBSE**

**Sector 21, Panchkula - 134112 (Haryana)**



## *SUMMER BREAK ASSIGNMENTS*

*SESSION: 2024 - 2025*

*Class – VIII*



Dear Doonites,



As we head into the summer vacation, we would like to encourage you to make the most of this time for both relaxation and enrichment.



While it's essential to take a break and recharge, it's also an opportunity to engage in activities that stimulate your mind and foster personal growth.



## Stay Academically Engaged:

Read books that interest you or are part of your upcoming curriculum. Review and practice subjects, you find challenging to stay sharp.



## Stay Physically Active:

Engage in sports, outdoor activities or regular exercise.

Avoid spending too much time on screens; balance with physical activities.



## Develop New Skills:

Learn any new hobby or skill such as cooking, gardening, coding, or playing an instrument.



## 😊 Maintain a Routine:

Keep a consistent sleep schedule to avoid disrupting your body clock.

# Doon Public School



Stay connected and spend quality time with your family and friends. Create memories, share stories, and cherish these moments together.



## **Mental Well-being:**



Take time to relax and unwind; practice mindfulness or meditation.



Moreover, Vacation work has also been planned for you to explore during the break.



Remember, the purpose of this assignment is not to add stress to your vacation but to encourage you to engage in activities that are meaningful and fulfilling.



The work is designed to be enjoyable yet thought-provoking, helping you to continue learning outside the classroom. Remember, learning doesn't stop when school is out!



Take some time to review your notes from the past months. Reflect on what you've learned, your strengths, and areas where you can improve.



Set some goals for the upcoming Periodic Assessment, based on your reflections.



Have a wonderful holiday, and do collect your experiences, reflections, and any new insights gained during this time.



Last but not the least, celebrate and reflect upon several significant days falling during the Vacation time.





## World Environment Day (June 5th):

Remind yourself the responsibility to protect and preserve our environment. Engage in activities that promote sustainability, such as planting trees, reducing waste, and conserving energy. Small actions can have a big impact on our planet's health.



## Father's Day (June 16th):

Honour and appreciate the fathers and father figures in your lives. Use this day to express your gratitude and love. A simple gesture, a heartfelt message, or spending quality time together can make this day memorable.



## International Yoga Day (June 21st):

Maintain physical and mental well-being through yoga. Take some time to practice yoga, learn new poses, and meditate. Share the experience with your family and friends, and explore how yoga can bring peace and balance to your daily life.

Following these guidelines will help you ensure a balanced, productive, and enjoyable summer vacation.

Team Doon looks forward to hearing about your experiences when we return to school.

Wishing you all a fantastic and rejuvenating summer vacation!



## HERE'S YOUR HOLIDAY ASSIGNMENT

<b>English</b>	<ol style="list-style-type: none"><li>1. Write a paragraph of 100 to 120 words about the place or state you wish to visit and explore in India.</li><li>2. Include the things from the state that fascinates you like- the history of the place, cultural heritage, food, art, cultural variations etc.</li><li>3. To make it more interesting, you must add pictures of the place.</li></ol>
<b>Hindi</b>	<p>निम्नलिखित विषय पर स्वरचित कविता लिखिए एवं आकर्षक चित्र के माध्यम से प्राकृतिक संसाधनों को व्यक्त कीजिए।</p> <ol style="list-style-type: none"><li>1. प्राकृतिक संसाधन जो मानव जाति के कार्यों के बिना विद्यमान हैं। जो अपने मूल प्राकृतिक रूप में मूल्यवान माने जाते हैं। सूर्य का प्रकाश, वायुमंडल, जल, थल, वनस्पतियाँ आदि। प्रकृति में विद्यमान यह संपदा मानवजाति की प्राण हैं।</li></ol>
<b>Punjabi</b>	'ਊਰਜਾ ਬਚਾਓ ਜੀਵਨ ਬਚਾਓ' ਤੇ ਇੱਕ ਸਲੋਗਾਨ ਜਾਂ ਪੋਸਟਰ ਤਿਆਰ ਕਰੋ।
<b>Sanskrit</b>	<ol style="list-style-type: none"><li>1. प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठं अवश्यं पठन्तु। (प्रतिदिन संस्कृत पाठ्यपुस्तक का एक पेज अवश्य पढ़ें)</li><li>2. संस्कृत – परियोजना –कार्य (Individual A4 size sheet) चित्र वर्णन कुरुत। चित्रम् रचयित्वा पञ्च वाक्यानि लिखत। (कोई एक चित्र बनाएं अथवा चिपकाएं तथा पांच वाक्य संस्कृत में लिखिएं)</li></ol>
<b>Mathematics</b>	Differentiate between concave and convex polygons and draw or paste 2 figures of each from real life situations (use colourful paper pasting for figures).
<b>Science</b>	Write effects of chemicals (Fertilizers) in agriculture. Mention names, useful and harmful effects of chemicals, along with pictures or drawings. Also, specify the minimum composition of chemicals and quantity of chemicals required for crops such as wheat, maize, paddy, gram and soya bean.

## Social Science

Choose a significant constitutional amendment from the history of India. Investigate the historical context, and impact of the amendment on the society. Write an essay discussing its significance and relevance today. •You can include pictures to make it creative.

1. It should be handwritten
2. It should not be more than 3-4 pages.

The above-mentioned work in all the subjects must be done on A-4 sheets. Then compile them together in one single, beautifully decorated folder.



## Practice Worksheets - For the revision of Periodic Test Syllabus (Do the following worksheets in your respective subject notebooks)

### English Language and Literature

#### 1. Reference to the Context:

When the jet reached ten thousand feet,  
it was clear why the country  
had cities where the rivers ran  
and why the valleys were populated.  
The logic of geography  
that land and water attracted man —  
was clearly delineated  
When the jet reached ten thousand feet.

- i. At what height did the jet reach?
- ii. What was clear from that height?
- iii. What was the logic of geography?

#### 2. Reference to the Context:

I should like to be able to tell you that we began it. But the truth, I'm ashamed to say, is that Fritz began it. First someone saw a white flag waving from the trenches opposite. Then they were calling out to us from across no man's land, "Happy Christmas, Tommy! Happy Christmas!" When we had got over the surprise, some of us shouted back, "Same to you, Fritz! Same to you!" I thought that would be that. We all did. But then suddenly one of them was up there in his grey greatcoat and waving a white flag. "Don't shoot, lads!" Someone shouted. And no one did. Then there was another Fritz up on the parapet, and another. "Keep your heads down," I told the men, "it's a trick." But it wasn't.

- i. What did the writer mean by 'we began it'?
- ii. What was the symbolic meaning of 'a white flag'?
- iii. Where were the soldiers sitting?
- iv. What did the German soldiers wish them?
- v. Why did they call each other 'Fritz' and 'Tommy'?



3. Answer the following questions in 30 - 50 words:
  - i. What is Connie's Christmas present? Why is it the best Christmas present in the world?
  - ii. Write all the poetic/ literary devices used in the poem 'The Ant and the Cricket'.
  - iii. What is Tsunami?
  - iv. Why did the Camel live in the middle of the desert?
  - v. Why had Velu run away from home?
4. Answer the following questions in 80 - 100 words:
  - i. Why do Jims and Hans think that games or sports are good ways of resolving conflicts?
  - ii. What is the moral of the story 'How the Camel got his Hump'.
5. Change the following assertive sentences into negative:
  - i. The army fought bravely.
  - ii. I can lift this box easily.
6. Fill in the blanks by changing the words in the brackets into abstract nouns:
  - i. My father's \_\_\_\_\_ is final. (decide)
  - ii. There is a \_\_\_\_\_ of drinking water. (short)
7. Join the pair of sentences using a relative pronoun:
  - i. The car is stolen. I bought it last week.
  - ii. The puppy is beautiful. It has black hair.
8. Fill in the blanks with suitable determiners:
  - i. The baby was surrounded by \_\_\_\_\_ toys.
  - ii. I don't have \_\_\_\_\_ dress for the vacation.
9. Fill in the blanks with collective nouns:
  - i. I gave my friend a \_\_\_\_\_ of flowers.
  - ii. Have you seen a \_\_\_\_\_ of bees?
10. Rearrange the following words to make the meaningful sentences:
  - i. Lotus temple / of all / that / last week / the / my favourite / is / monuments / we visited / the
  - ii. Receive / did you / last week / the / parcel / I / sent / that
11. Do Assignments - 1 to 5 (given on pages 17 to 25) of Reading Comprehension in your 'Assignment in English Plus' book.
12. Do Q-1 of Assignments 1 to 5 (given on pages 97 to 105) of Writing Skills in your 'Assignment in English Plus' book.





## Hindi

‘सभी प्रश्न हिंदी व्याकरण की कार्य पुस्तिका में लिखिए। ‘लिखावट सुंदर एवं स्पष्ट होनी चाहिए।

1. निम्नलिखित शब्दों के अर्थ लिखिए।

- (क) पैतृक
- (ख) निमित्त
- (ग) बेताबी
- (घ) आलम

2. निम्नलिखित प्रश्न के उत्तर एक पंक्ति में दीजिए।

- (क) ‘दीवानों की हस्ती’ कविता में ऐसी कौन सी बात है जो आपको सबसे अच्छी लगी?
- (ख) वस्तु विनिमय क्या है
- (ग) लोगों ने शाम वाली बस में सफर न करने की सलाह क्यों दी?
- (घ) शादी विवाह के अवसर पर बदलू को क्या-क्या मिलता था?

3. निम्नलिखित प्रश्नों के उत्तर 25 से 30 शब्दों में दीजिए।

- (क) बचपन में लेखक अपने मामा के गांव चाव से क्यों जाता था?
- (ख) ‘गजब हो गया ऐसी बस अपने आप चलती है’ लेखक को यह सुनकर हैरानी क्यों हुई?
- (ग) कवि ने भीखमंगों की दुनिया में प्यार लूटाने की बात क्यों कही है?
- (घ) लाख की चूड़ियाँ कहानी से हमें क्या संदेश मिलता है?

4. निम्नलिखित शब्दों के वर्ण विच्छेद कीजिए।

- (क) ओखली
- (ख) जानकारी
- (ग) अनुनासिक

5. निम्नलिखित समस्त पदों का विग्रह कीजिए।

- (क) नीलकमल
- (ख) यथाशक्ति
- (ग) पंचवटी

6. दिए गए विग्रहों के समस्तपद लिखिए।

- (क) पाठ के लिए शाला
- (ख) नर और नारी

(ग) नीला है कंठ जिसका

7. निम्नलिखित शब्दों के तद्भव रूप बनाइए।

(क) हस्त

(ख) ओष्ठ

(ग) कंटक

8. यौगिक शब्दों के तीन उदाहरण लिखिए।

9. स्तंभ 'क' का स्तंभ 'ख' से मिलान करें—

क

ख

देवनागरी लिपि

पहाडी हिंदी

रोमन लिपि

गुजराती

गढ़वाली

इटैलियन

10. साहित्य की परिभाषा लिखकर उसके प्रकारों का वर्णन उदाहरण सहित कीजिए।

11. व्याकरण के अंगों का वर्णन करें।

12. शब्दों के वर्गीकरण के आधार लिखिए।

## Punjabi

1. ਖਾਲੀ ਥਾਵਾਂ ਭਰੋ।

ਕ) ਪੰਜਾਬ ਦੀ ਰਾਜ ਭਾਸ਼ਾ \_\_\_\_\_ ਹੈ।

ਖ) ਪੰਜਾਬੀ ਭਾਸ਼ਾ \_\_\_\_\_ ਲਿਪੀ ਵਿੱਚ ਲਿਖੀ ਜਾਂਦੀ ਹੈ।

ਗ) \_\_\_\_\_ ਨੂੰ ਅੰਤਰਰਾਸ਼ਟਰੀ ਭਾਸ਼ਾ ਹੋਣ ਦਾ ਮਾਣ ਪ੍ਰਾਪਤ ਹੈ।

ਘ) ਕਿਸੇ ਵੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਲਈ ਜਿਹੜੇ ਚਿੰਨ੍ਹਾਂ ਦਾ ਪ੍ਰਯੋਗ ਹੁੰਦਾ ਹੈ ਉਸ ਦੇ ਸਮੂਹ ਨੂੰ \_\_\_\_\_ ਕਹਿੰਦੇ ਹਨ।

2. ਹੇਠਾਂ ਦਿੱਤੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਲਿਖੋ।

ਕ) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਪੀ ਦਾ ਨਾਂ ਲਿਖੋ।

ਖ) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਰਣਮਾਲਾ ਨੂੰ ਹੋਰ ਕੀ ਕਹਿੰਦੇ ਹਨ ?

ਗ) ਵਿਆਕਰਨ ਦੇ ਕਿੰਨੇ ਅੰਗ ਹਨ ? ਲਿਖੋ।

ਘ) ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਨੂੰ ਆਪਣੀ ਕਾਪੀ ਵਿੱਚ ਲਿਖੋ।



3. ਹੇਠਾਂ ਦਿੱਤੇ ਸ਼ਬਦਾਂ ਦੇ ਅਰਥ ਲਿਖੋ।  
ਦਲੇਰੀਆਂ, ਆਸਾਂ, ਕੋਸ਼ਿਸ਼, ਪੱਗਡੰਡੀ, ਦੇਖੀ, ਗੁਣਵੰਤ
4. ਹੇਠਾਂ ਦਿੱਤੇ ਸ਼ਬਦਾਂ ਦੇ ਵਾਕ ਬਣਾਓ।  
ਜਾਤ- ਪਾਤ, ਖਤਰਨਾਕ, ਤੋਹਫਾ, ਦਹਾੜਨ, ਸ਼ਹੀਦੀ
5. ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਇੱਕ ਲਾਈਨ ਵਿੱਚ ਦਿਓ –  
ਕ) ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਸਿੱਖਾਂ ਦੇ ਕਿੰਨਵੇਂ ਗੁਰੂ ਸਨ?  
ਖ) ਮਿੰਨੀ ਦੇ ਪਾਪਾ ਕੀ ਕਰਦੇ ਸਨ?  
ਗ) ਕਿਕਰਾਂ ਨੂੰ ਕੀ ਲੱਗੇ ਸਨ?  
ਘ) ਕੁੱਤਾ ਆਪਣੇ ਲਈ ਕਿਹੋ ਜਿਹਾ ਮਾਲਕ ਚਾਹੁੰਦਾ ਸੀ?
6. ਖਾਲੀ ਥਾਵਾਂ ਭਰੋ-  
ਕ) ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਸ਼ਹੀਦੀ ਦਿਹਾੜੇ ਤੇ \_\_\_\_\_ ਮਹੀਨੇ ਵਿੱਚ ਹਰ ਸਾਲ ਪੰਜਾਬ ਤੋਂ ਅਤੇ ਦੇਸ਼ ਵਿਦੇਸ਼ ਤੋਂ ਲੋਕ ਲਾਹੌਰ ਜਾ ਕੇ ਆਪਣੀ ਸ਼ਰਧਾ ਦੇ ਫੁੱਲ ਭੇਟ ਕਰਦੇ ਹਨ।  
ਖ) ਜੰਗਲ ਵਿੱਚ \_\_\_\_\_ ਨਾਲੋਂ ਤਕੜਾ ਹੋਰ ਕੋਈ ਜਾਨਵਰ ਨਹੀਂ ਸੀ।
7. ਕੁੱਤੇ ਨੇ ਸ਼ੇਰ ਨੂੰ ਕੀ ਕਹਿ ਕੇ ਰਾਮ ਰਾਮ ਕੀਤੀ?
8. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਨੇ ਕਿਹੜੇ ਕਿਹੜੇ ਕਾਰਜ ਕੀਤੇ?
9. ਬੱਚਿਆਂ ਦੇ ਪੈਰ ਕਿਸ ਤਰ੍ਹਾਂ ਦੇ ਹਨ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਰਾਹਾਂ ਵਿੱਚ ਕੀ ਆਉਂਦੇ ਹਨ?
10. ਮਿੰਨੀ ਨੇ ਕਾਰੜ ਕਿਸ ਲਈ ਬਣਾਇਆ ਅਤੇ ਕਿਉਂ ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦਾ ਜਨਮ ਕਦੋਂ ਅਤੇ ਕਿੱਥੇ ਹੋਇਆ ?
11. ਆਪਣੀ ਮਨ ਪਸੰਦ ਖੇਡ ਬਾਰੇ ਪੰਜ ਵਾਕ ਲਿਖੋ।
12. ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਨੂੰ ਵੇਖ ਕੇ ਉਸਦਾ ਵਰਨਣ (60-70) ਸ਼ਬਦਾਂ ਵਿੱਚ ਕਰੋ।



## Sanskrit

### "खंड क" (व्याकरण)

- सन्धिविच्छेदं वा कुरुत ।  
(क) हिमालयः = \_\_\_\_\_ + \_\_\_\_\_  
(ख) भानूदयः = \_\_\_\_\_ + \_\_\_\_\_
- सन्धिः कुरुत ।  
(क) सदा + एव = \_\_\_\_\_  
(ख) गुरु + उपदेशः = \_\_\_\_\_
- यथा निर्दिष्टाणि धातुः लिखत ।  
'पत्' धातु लोट लकार
- यथानिर्दिष्टरूपाणि लिखत ।  
(क) 'पितृ' शब्दरूप प्रथमा, सप्तमी विभक्ति  
(ख) 'साधु' शब्दरूप तृतीया, षष्ठी विभक्ति
- उचित् पदम् विचित्य रिक्तस्थानानि पूरयत ।  
(मूषकात्, पत्रैः, असत्यवादेन)  
(क) \_\_\_\_\_ हीनः वृक्षः न शोभते ।  
(ख) अलम् \_\_\_\_\_ ।  
(ग) शिशुः \_\_\_\_\_ बिभेति ।
- पर्यायारू लिखत ।  
तीक्ष्णः, विद्युत्, वातायनम्
- विपर्ययाः लिखत ।  
प्राचीना, छाया, सम्मानम्

### "खंड ख" (साहित्य)

- निम्नलिखित शब्दों के अर्थ लिखिए ।  
(क) सुस्वादुतोयाः  
(ख) व्यसनिनः
- पूर्णवाक्येन उत्तरत ।  
(क) कः शोभते ?

(ख) महती गुहा दृष्ट्वा सिंहः किम् अर्चितयत्?

10. एक पदेन उत्तरत् ।

(क) आपणे वस्तूनाम् क्रयसमये केषाम् अनिवार्यता न भविष्यति?

(ख) कस्मिन् उद्योगे वृक्षाः उपयुजयन्ते ?

11. प्रश्ननिर्माणं कुरुत ।

(क) नद्यः सुस्वादुतोयारू भवन्ति ।

(ख) गुणाः गुणज्ञेषु गुणाः भवन्ति ।

12. रिक्तस्थानानि पूरयत ।

(क) \_\_\_\_\_ वचः मधुसूक्तरसम् सृजन्ति ।

(ख) तदभागधेयं \_\_\_\_\_ पशूनाम् ।

## Mathematics

1. How many angles are there in a pentagon?

i. 5

ii. 6

iii. 8

iv. 4

2. If  $3a - 5 = a + 3$ , then the value of  $a$  is:

i. 3

ii. 4

iii. 2

iv. 5

3. If  $X + 0 = 0 + X = X$ , which is a rational number, then what does 0 called?

4. Name the property under multiplication used in following:

$$\frac{-13}{17} \times \frac{-2}{7} = \frac{-2}{7} \times \frac{-13}{17}$$

5. Describe the following quadrilaterals with the help of diagram.

i. kite

ii. parallelogram

6. Find the 3 rational numbers between  $\frac{1}{4}$  and  $\frac{2}{3}$ .



7. Name the regular polygon of:

- i. 3 sides
- ii. 6 sides
- iii. 4 sides.

8. Solve:  $\frac{x+1}{4} = \frac{x-2}{3}$

9. Find the measure of each external angle of a regular polygon with 12 sides.

10. Sum of three consecutive even integers is 240. Find the integers.

11. Represent the following on number line.

i.  $\frac{7}{3}$

ii.  $\frac{-4}{5}$

12. Case study:

Ravi went to Agra to visit Taj Mahal, in Agra the auto rickshaw fare is as follows:

₹ 15 for first kilometre and rupees 10 for subsequent distance. Taking distance as a x kilometres and total fare as ₹ y.

He wrote the following four equations to represent the above information.

i. Which of the following equation is correct?

- a.  $y = 15x + 9$
- b.  $y = 15x - 5$
- c.  $y = 10x + 5$
- d.  $y = 10x + 14$

ii. How many solutions of the correct equation of given information are possible?

- a. one solution
- b. two solution
- c. no solution
- d. infinite solution

iii. Equations given in part (a) are:

- a. linear equations in one variable.
- b. linear equations in two variables.
- c. quadratic equations in one variable.
- d. quadratic equations in two variables.



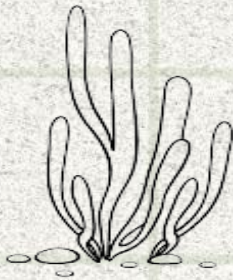
- iv. If Ravi covered a distance of 10 kilometres from his hotel to reach Taj Mahal then the total auto rickshaw fare paid by him in ₹ is:
- a. 159
  - b. 145
  - c. 105
  - d. 114

## Science

### 1. Multiple Choice Questions:

- i. Out of these materials, which is combustible?
- a. Wood
  - b. Marble
  - c. Glass
  - d. Steel
- ii. Where is a coal reserve most likely to be found?
- a. Inside volcanoes
  - b. Beneath glaciers
  - c. On ocean floors
  - d. Under land surfaces
- iii. Covid -19 disease is caused by \_\_\_\_\_.

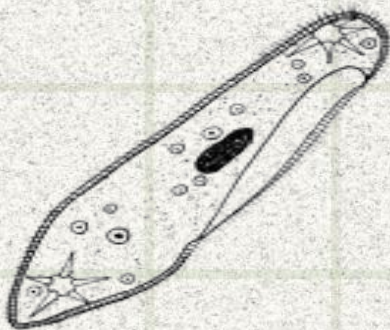
a.



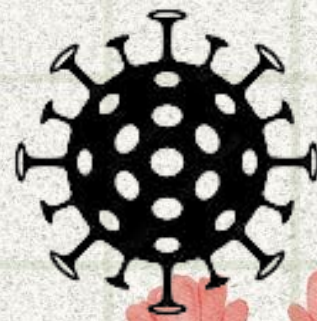
b.



c.



d.



**2. Fill in the blanks:**

- i. The resources that we get from the nature are called \_\_\_\_\_.
- ii. The same kind of plants grown and cultivated on a large scale at a place is called \_\_\_\_\_.
- iii. The burning of substance takes place when oxygen is present then it is called \_\_\_\_\_.
- iv. Microorganisms can be seen with the help of a \_\_\_\_\_.

**3. Rewrite the incorrect statement.**

- i. There are five types of microorganisms.
- ii. Fossils fuels can be prepared in laboratory.
- iii. CNG is a polluting fuel

**4. Why does the dough rise in the presence of yeast?**

**5. How does moisture affect the grains?**

**6. Write two examples of diseases caused by protozoa and bacteria.**

**7. Differentiate between manure and fertilizers?**

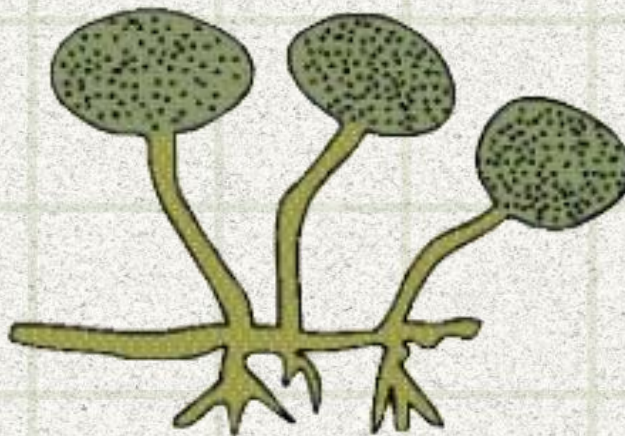
**8. Name three constituents of petroleum and write their uses.**

**9. In which situation water cannot be used as an extinguisher and why?**

**10. What are weeds? Why should they be removed? Describe some ways in which they can be removed.**

**11. Suggest some ways in which you can conserve fossil fuels**

**12. Observe the Figure and answer the following questions:**



- i. Name the microorganism and the group to which it belongs.
- ii. Name the food item on which the organism grows.
- iii. Does it grow well in dry or in moist conditions?
- iv. Is it safe to eat infected bread?



## Social Science

### 1. Choose the best alternative -

**Assertion:** The study of history helps us understand the past and its impact on the present.

**Reason:** By learning about historical events, we can gain insights into societal changes and continuity over time.

i. Both Assertion and Reason are true, and Reason is the correct explanation of the Assertion.

ii. Option B: Both Assertion and Reason are true, but Reason is not the correct explanation of the Assertion.

iii. Option C: Assertion is true, but Reason is false.

iv. Option D: Assertion is false, but Reason is true.

### 2. Describe how the official records of the British administration helped historians to write about the last 250 years of Indian history.

### 3. What led to a fierce battle between the European trading companies?

### 4. What was the Doctrine of Lapse? Which kingdoms did the Company annex by applying this Doctrine?

### 5. Give a brief description of all the three Anglo-Maratha wars. Also write the main consequences.

### 6. Write a brief note on Tipu Sultan.

### 7. What is a resource? What are the criteria for any substance to become a resource?

### 8. As human beings, how can we ensure sustainable development?

### 9. What is CITES? Why has it been established?

### 10. Mention some mitigation techniques of landslides.

### 11. Why is it essential to conserve wildlife? Give three reasons.

### 12. The Kangra region, nestled in the heart of agricultural lands, faces a pressing issue: soil erosion and degradation. This case study delves into the multifaceted soil conservation initiatives undertaken in the region to combat these challenges and ensure sustainable land use practices.

#### ✚ Background:

Kangra region, with its fertile lands and rich biodiversity, has long been a hub of agricultural activity. However, rapid urbanisation, intensive farming practices, and deforestation have led to alarming rates of soil erosion and

degradation. As a result, farmers are grappling with dwindling crop yields, loss of fertile topsoil, and environmental degradation.

## ✚ Soil Conservation Initiatives:

### ❖ Terracing and Contour Farming:

- ✓ Recognising the need to curb soil erosion on hilly terrain, local authorities implemented terracing and contour farming techniques.
- ✓ Farmers constructed terraces along the slopes and adopted contour plowing methods to minimise water runoff and soil erosion.

### ❖ Afforestation and Agroforestry:

- ✓ To combat deforestation and enhance soil fertility, extensive afforestation and agroforestry programs were initiated.
  - ✓ Farmers were incentivised to plant trees and shrubs on degraded lands, fostering biodiversity, improving soil structure, and providing alternative sources of income.

### ❖ Crop Rotation and Cover Cropping:

- ✓ Traditional monoculture practices were replaced with crop rotation and covers cropping strategies.
- ✓ By alternating crops and planting cover crops like legumes, farmers improved soil health, suppressed weed growth, and reduced erosion during fallow periods.

### ❖ Conservation Tillage Techniques:

- ✓ Conventional plowing methods gave way to conservation tillage practices such as no-till and minimum tillage.
- ✓ These techniques minimised soil disturbance, retained crop residues, and improved soil moisture retention, thus mitigating erosion.

### ❖ Community Engagement and Education:

- ✓ Local community groups, along with agricultural extension services, played a pivotal role in promoting soil conservation awareness.
- ✓ Workshops, training sessions, and field demonstrations were conducted to educate farmers about the importance of soil

conservation and provide hands-on training in implementing conservation practices.

## ✚ Impact and Results:

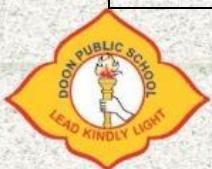
- ✓ Over time, the implementation of soil conservation measures yielded promising results.
- ✓ Soil erosion rates decreased significantly, leading to improved soil fertility and increased crop yields.
- ✓ Biodiversity flourished as a result of afforestation efforts, contributing to the restoration of natural ecosystems.
- ✓ Farmers witnessed economic benefits through enhanced agricultural productivity and diversified income streams.

**Answer the following questions on the basis of case study above-**

- i. What are some of the primary causes of soil erosion and degradation in the Kangra region?
- ii. Discuss the role of community engagement and education in promoting soil conservation awareness among farmers.
- iii. What are the long-term implications of soil conservation efforts on agricultural sustainability and environmental conservation?

## Portfolios Activities - Mandatory Assignment

<b>Self - introductory page</b>	For the portfolios to be crafted for the upcoming session 2024-25, students have to create a self-introductory innovative page by using drawing, colour, art or any craft, or a digital page using any graphic design software tool, such as Paintbrush, Tux Paint MS PowerPoint etc. This page should include aspects such as strengths, weaknesses, challenges, uniqueness, motivation, areas of improvement, moments of joy, and ambitions. Remember to bring a hard copy of this on the first day when the school reopens.
<b>Community Work</b>	Embark on a journey of giving back to your community this summer! How do you envision making a positive impact? Whether it's lending a hand at a local shelter, orchestrating a park clean-up, guiding younger minds through tutoring sessions, or aiding a food bank, your efforts matter. Capture the essence of your experiences through photos, weaving them into a vibrant collage that mirrors your commitment in your portfolio.
<b>Tree Plantation</b>	Collect seeds of a particular plant of your choice. Then plant the seeds in the soil and observe its growth. Click the picture of yours with the seed on the very first day (5 <sup>th</sup> June, World Environment Day) and then the picture with the plant on the very last day of your holiday. Paste these pictures on an A4 size sheet.
<b>Save Water</b>	Water is one of the most stressed and exploited resources. Almost 600 million people face high to extreme water stress in India. By 2025, more than 2.8 billion people living in 48 countries will face water stress or water scarcity (United Nations Population Projection). Hence conserving water is the need of the hour, not only for our healthy future but for our future generations as well. But wait, the change starts from within. Have you ever wondered how much water do you waste and how much



water is actually enough for our daily activities? Let's access this with a simple activity by answering the following questions:

1. Do you brush your teeth in running water or with a cup? How much time do you take in brushing your teeth?
2. How many times in a day, do you take bath? Do you use shower?
3. How many washrooms do you have in your home? Are they dual flush or single flush?
4. Do you wash your bicycles with running water/ bucket/ or dry cleaning by wiping with cloth?
5. Are your appliances water efficient? Also mention the ways by which we check the efficiency of our water appliances.
6. Perform a small activity.
  - On the first day, perform all your activities by your traditional methods of using water at home and note down the water meter reading in the beginning and the end of the day.
  - On the second day, devise various methods by minimizing water wastage and keeping a check on your water usage. Note the reading of your water meter in the beginning of the day and at the end of that day.
  - Now multiply the reading of both the days with 30 respectively. And find the difference in the amount of water you conserved.
7. Mention all the different ways you adopted to minimize water wastage at your home?

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