



**St. Mary's School, Dwarka**

**Holiday Homework 2026**

**Class: VIII**

**Worksheet 1**

**Subject: English**

**General Instructions:**

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in the English notebook.
- 3) Attempt all questions.

**No. of questions – 9**

**M.M-25**

**Q1. Read the following passage.**

1. Space tourism is emerging as one of the most fascinating developments of the 21st century. It refers to the concept of ordinary individuals travelling to space for recreation and exploration. Earlier, space travel was confined only to highly trained astronauts, but private companies are now striving to make such journeys accessible to civilians as well.
2. The ambition of space travel began with scientific missions conducted by government space agencies such as NASA and ISRO. Gradually, technological advancements reduced the cost of rocket launches and encouraged private enterprises to participate in space exploration. Several organisations have already carried out successful missions transporting tourists into space for brief periods.
3. Space tourism provides travellers with a rare opportunity to experience zero gravity and witness the Earth from outer space. Many scientists believe that private investment in this field could accelerate technological innovation and contribute significantly to future research. It may also inspire students to pursue careers in science, astronomy, and engineering.
4. However, space tourism is accompanied by numerous challenges. Space expeditions remain extremely expensive, making them accessible only to affluent individuals at present. There are also concerns regarding passenger safety, environmental degradation caused by rocket emissions, and the enormous quantity of fuel required for such missions. Critics argue that greater attention should first be devoted to solving problems on Earth.
5. Despite these obstacles, scientists and companies continue to develop safer and more economical methods of space travel. Reusable rockets and advanced spacecraft are being designed to minimise costs and environmental impact. Many experts predict that space tourism may become increasingly common in the coming decades.
6. The future of space tourism appears both promising and demanding. If technological progress continues at the present pace, ordinary people may eventually travel to space as conveniently as

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they travel by air today. Space tourism could transform human exploration and open unprecedented possibilities for scientific discovery and adventure.

**Based on your understanding of the passage, answer the questions given below. (1x5=5)**

**i. According to the passage, private companies are trying to make space tourism possible by \_\_\_\_\_.** (1)

- a) reducing the importance of astronauts
- b) organising underwater expeditions
- c) developing technology for civilian space travel
- d) replacing government space agencies completely

**ii. What does the word 'affluent' in the passage most likely mean?** (1)

- a) generous
- b) wealthy
- c) educated
- d) adventurous

**iii. Mention one advantage of space tourism discussed in the passage.** (1)

**iv. According to the passage, which of the following statements is NOT true?** (1)

- a) Space tourism may encourage students to take interest in science.
- b) Reusable rockets are being developed to reduce costs.
- c) Space travel is currently affordable for most people.
- d) Scientists are working on safer methods of space travel.

**v. Replace the underlined word with its antonym from paragraph 6.** (1)

The future of electric vehicles appears highly uncertain to many experts.

**Q2. You are Arjun/Aarohi, residing at 22-C, Lotus Residency, Janakpuri. Last weekend, you visited a Book Fair organised at Dilli Haat and found it highly enjoyable and enriching. Write a letter to your friend Mehak in about 100–120 words, describing your visit, the different kinds of books and activities you saw there, and suggesting that she should also visit such fairs to develop reading habits.** (3)

**Q3. Fill in the blanks with the appropriate word.** ( $\frac{1}{2} \times 4=2$ )

By the time the principal (i) \_\_\_\_\_ the auditorium, most of the students (ii) \_\_\_\_\_ their seats, while a few volunteers were still arranging (iii) \_\_\_\_\_ chairs near the entrance. Everyone appreciated the effort because not (iv) \_\_\_\_\_ inconvenience was caused during the event.

- |      |              |                |                 |           |
|------|--------------|----------------|-----------------|-----------|
| i.   | a. entered   | b. had entered | c. was entering | d. enters |
| ii.  | a. had taken | b. have taken  | c. was taking   | d. took   |
| iii. | a. a         | b. an          | c. the          | d. some   |
| iv.  | a. many      | b. much        | c. several      | d. few    |

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**Q4. Fill in the blanks with the appropriate word.**

(½ x 4=2)

Neither of the players was willing to admit that the final mistake had been (i) \_\_\_\_\_, although the coach repeatedly asked them to review (ii) \_\_\_\_\_ performance during the match. The audience watched the captain (iii) \_\_\_\_\_ confidently towards the podium before the ceremony began, while a few reporters continued (iv) \_\_\_\_\_ questions despite the announcement.

- |      |           |          |            |            |
|------|-----------|----------|------------|------------|
| i.   | a. theirs | b. them  | c. their   | d. there   |
| ii.  | a. his    | b. him   | c. he      | d. himself |
| iii. | a. walked | b. walk  | c. walking | d. walks   |
| iv.  | a. ask    | b. asked | c. asking  | d. asks    |

**Answer the following questions in 30 – 40 words.**

**Q5.** How does the narrator create a spooky situation in his narration of the dining area in the lesson, **The Night the Ghost Got In?** (2)

**Q6.** According to the poet, what kind of a place is Innisfree? (2)

**Q7.** What has caused the Yup'ik people, health problems in the lesson, **Melting Ice in Alaska?** (2)

**Answer the following question in 50 – 60 words.**

**Q8.** Why did the students act with such restraint in the lesson, **The Narayanpur Incident?** (3)

**Q9.** Design a 4-panel comic strip on an A3-sized sheet that illustrates the impact of global warming on a Yup'ik village in Alaska. The comic should depict specific events such as:

- i. Melting permafrost is damaging homes
- ii. Declining fish populations affecting the food supply
- iii. Increased coastal erosion
- iv. The eventual relocation of the village

Below is a sample of the comic strip for your reference. (4)



**Subject: Hindi**

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 अपठित गद्यांश को पढ़कर निम्न प्रश्नों के उत्तर दीजिए—

(1×5=5)

आज के युग को विज्ञान का युग कहा जाता है। आज मनुष्य ने पृथ्वी, आकाश तथा जल पर कौ जन्म दिया है। जनसंख्या वृद्धि के कारण वनों की कटाई तेजी से हुई है और वहाँ उद्योग-धंधों का विस्तार हुआ है। वनों की अंधाधुंध कटाई के कारण प्राकृतिक संतुलन बिगड़ गया है। वर्षा, जलवायु तथा भूमि पर इसका दुष्प्रभाव पड़ा है। चिमनियों से निकलने वाले धुँएँ बसों-ट्रकों आदि वाहनों से निकलने वाले धुँएँ से वातावरण प्रदूषित हो गया है जिससे अनेक प्रकार के रोग हो रहे हैं। धुँएँ में जहरीले पदार्थ होते हैं जो साँस के द्वारा हमारे शरीर में पहुँच जाते हैं। इसी प्रकार मित्तों से बेकार हो जाने वाला पदार्थ नदियों में बहा दिया जाता है। इससे पानी प्रदूषित हो जाता है जिससे अनेक प्रकार के रोगों का जन्म होता है। प्रदूषण की समस्या अत्यंत भयंकर समस्या है। वनों की कटाई पर रोक लगाई जानी चाहिए तथा वृक्षारोपण पर बल दिया जाना चाहिए। इससे प्रदूषण कम होता जाएगा क्योंकि वृक्ष दूषित वायु को स्वच्छ वायु में परिवर्तित करते हैं। हम सबका यह कर्तव्य है कि वृक्ष लगाएँ।

(i) आज मनुष्य ने किन-किन चीजों पर अपना आधिपत्य जमा लिया है?

- (क) पृथ्वी और आकाश पर
- (ख) धरती और लोगों पर
- (ग) लोगों के जीवन पर
- (घ) पृथ्वी और पेड़-पौधों पर

(ii) वनों की अंधाधुंध कटाई के कारण किसका संतुलन बिगड़ गया है?

- (क) लोगों का
- (ख) प्राकृतिक का
- (ग) पशु-पक्षी का
- (घ) धरती का

(iii) निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़कर उचित विकल्प का चयन कीजिए—

कथन (A) धुँएँ में जहरीले पदार्थ होते हैं जो साँस के द्वारा हमारे शरीर में पहुँच जाते हैं।

कारण (R) इससे पानी प्रदूषित हो जाता है जिससे अनेक प्रकार के रोगों का जन्म होता है।

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- (क) कथन (A) तथा कारण (R) दोनों गलत हैं।  
(ख) कथन (A) गलत है तथा कारण (R) सही है।  
(ग) कथन (A) सही है लेकिन कारण (R) गलत है।  
(घ) कथन (A) तथा कारण (R) दोनों सही हैं। तथा कारण (R) कथन (A) की गलत व्याख्या करता है।

(iv) किस कारण वातावरण प्रदूषित होता जा रहा है?

(v) तनों की कटाई पर रोक लगाने और वृक्षारोपण से क्या फायदा होगा?

निम्नलिखित प्रश्नों के उत्तर दीजिए—

(1×5=5)

प्रश्न 2 विशेषण की विशेषता बताने वाला शब्द क्या कहलाता है?

प्रश्न 3 'मैंने आज मोर को देखा'। प्रयुक्त वाक्य में से कौन-सा शब्द जातिवाचक संज्ञा है ?

प्रश्न 4 अर्थ के आधार पर क्रिया के कितने भेद होते हैं? उनके नाम लिखिए।

प्रश्न 5 'अरूण' शब्द का अनेकार्थी शब्द क्या होगा?

प्रश्न 6 'घोड़े बेचकर सोना' मुहावरे का अर्थ क्या होगा?

प्रश्न-7 निम्नलिखित प्रश्नों के उत्तर दीजिए—

(1½×2=3)

(क) कवि के अनुसार, स्वदेश का प्यार न होना किसका संकेत है? आपको अपना देश कैसा लगता है और क्यों?

(ख) माँ ने क्यों कहा कि अब वे यहाँ से नहीं जाएँगी? चिड़िया घोंसला कैसे बनाती है?

प्रश्न 8 निम्नलिखित प्रश्न का उत्तर दीजिए—

(2×1=2)

प्र० 'गमी' नामक कविता में भगीरथ प्रसाद क्या प्रतिज्ञा करना चाहते थे?

प्रश्न-9 संकेत बिंदुओं के आधार पर 'स्वस्थ तन-मन, स्वस्थ जीवन' विषय पर 70 से 80 शब्दों का एक अनुच्छेद लिखिए।

(5×1=5)

1- कैसे स्वस्थ रहा जाए      2- अस्वस्थ जीवन से हानि

3-स्वस्थ जीवन के लाभ      4-उपसंहार

प्रश्न-10 अपने प्रिय पक्षी का नाम लिखते हुए अवशिष्ट वस्तुओं (waste material) से घोंसला बनाइए।

(5×1=5)

**Subject: Sanskrit**

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

**प्रश्न 1 अधोलिखितं गद्यांशं पठित्वा बहुविकल्पकान् प्रश्नान् उत्तरत - (1×5=5)**

अस्माकं जन्मभूमिः भारतवर्षः अस्ति । अयं देशः अति रमणीयः समृद्धः च अस्ति । अस्य सुजला सुफला शस्यश्यामला भूमिः सर्वेषां मनांसि हरति । पुरा अत्र दुष्यन्तः नाम नृपः अभवत् । तस्य पुत्र भरतस्य नाम्ना एवं अस्य नाम भारतम् अभवत् । अयं देशः पृथिव्याः स्वर्गः कथ्यते । अस्य उत्तरस्यां दिशि पर्व तराज हिमालयः शोभते । दक्षिणस्यां च दिशि सागरः अस्य पादप्रक्षालनं करोति । अत्र गङ्गा यमुनासदृशयोः नद्यः प्रवहन्ति यासां अमृतसमं जलम् अस्य देशस्य क्षेत्राणि सिञ्चति । अत्र षड्भूतव क्रमशः आगच्छन्ति । विविधतायाम् एकता अस्य देशस्य मुख्या विशेषता अस्ति । विभिन्न धर्माणां सम्प्रदायानां च जनाः स्नेहेन वसन्ति । अनेके उत्सवाः यथा दीपावली, होली, ईद च सौत्साहं मानयन्ते देशस्य संस्कृतिः विश्वे प्राचीना श्रेष्ठा च मन्यते । वेदानां पुराणां च रचना अभवत् । अस्माकं देशः कृषिप्रधानः देशः अस्ति, यत्र कृषकाः अहोरात्रं परिश्रमं कुर्वन्ति । राष्ट्रभाषा हिन्दी अस्ति, किन्तु संस्कृतं तु सर्वेषां भाषाणां जननी कथ्यते । भारतवर्षः विज्ञानस्य क्षेत्रे अपि निरन्तरं प्रगतिं करोति ।

1 अस्माकं जन्मभूमिः कः अस्ति?

- (क) हिमालयः  
(ख) भारतवर्षः  
(ग) गङ्गा  
(घ) सागरः

2 अस्य देशस्य नाम 'भारतम्' कस्य नाम्ना अभवत्?

- (क) दुष्यन्तस्य  
(ख) हिमालयस्य  
(ग) भरतस्य  
(घ) गङ्गायाः

3 भारतस्य उत्तरस्यां दिशि कः शोभते?

- (क) सागरः  
(ख) गङ्गा  
(ग) हिमालयः  
(घ) यमुना

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4 'शस्यश्यामला' भूमिः केषां मनांसि हरति?

- (क) वैदेशिकानाम्
- (ख) पशूनाम्
- (ग) सर्वेषाम्
- (घ) नृपाणाम्

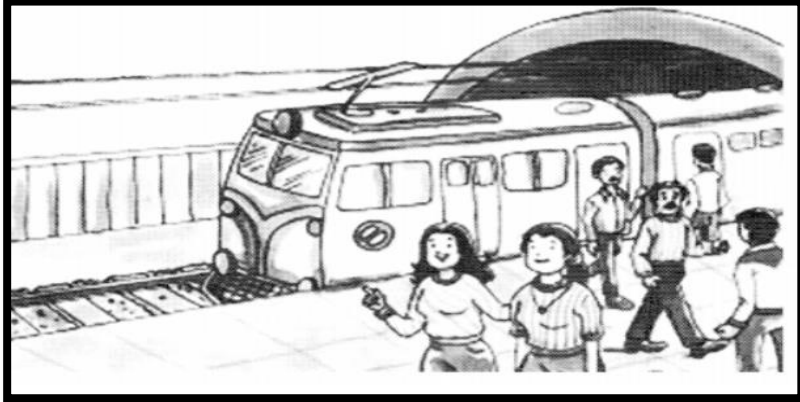
5 'करोति' इति पदस्य धातुः लकारः च किम् अस्ति?

- (क) 'कृ' धातुः लृटलकारः च।
- (ख) 'कृ' धातुः लटलकारः च।
- (ग) 'कर' धातुः लोटलकारः च।
- (घ) 'कर' धातुः लङ्लकारः च।

प्रश्न 2 चित्रं दृष्ट्वा मञ्जूषायां प्रदत्त पदानाम् सहायतया रिक्तस्थानानि पूर्यत-

( $\frac{1}{2} \times 4 = 2$ )

मञ्जूषा - मेट्रो-रेल-स्थानकस्य, गच्छतः, स्थितम्, जनः।



- 1 एतत् दृश्यम् ..... अस्ति।
2. चित्रे एक मेट्रो-रेलयानं .....।
3. एकः ..... रेलयानम् आरोहति।
4. द्वे युवत्यौ वार्ता कुरुतः ..... च।

प्रश्न 3 'शैक्षिक यात्रायै रूपयकाणि आवश्यकता' इति विषयम् अधिकृत्य पितरं प्रति लिखितम् इदं पत्रम् उचितपदैः पूरयत।  $(\frac{1}{2} \times 6 = 3)$

मञ्जूषा- शैक्षिकयात्रायाः, दर्शनाय, निवेदयामि, पञ्चशतम्, सादरम्, गीष्मावकाशे

नवदिल्लीतः  
तिथिः 12.05.2026

परमादरणीयः पितृमहाभागाः,

[1]----- प्रणमामि।

सविनयं [2]----- यत् मम त्रैमासिकी परीक्षा समाप्तिं गता। मम उत्तरपत्राणि शोभनानि अभवन्। अस्मिन् [3]----- अहं गृहं न आगमिष्यामि, यतः विद्यालयेन एकस्याः [4]----- प्रबन्धः कृतः। एषा यात्रा ऐतिहासिक स्थलानाम् [5]----- आयोजिता अस्ति। कृपया यात्राव्ययार्थम् [6]----- रूपयकाणि प्रेषयन्तु भवन्तः। शेषं सर्वम् कुशलम्। पूज्यायै पितृव्यायै नमः।

भवदीयः पुत्रः,

राघवः।

प्रश्न 4 अधोलिखिते संवादे मञ्जूषायाः उचितपदानि चित्वा रिक्तस्थानानि पूरयन्तु -  $(\frac{1}{2} \times 4 = 2)$

मञ्जूषा- बालकाः, पश्य, अधः, वटवृक्षः

शिक्षकः राधिके! एतत् चित्रं [1]..... अत्र किं दृश्यते?

राधिकाः श्रीमान्! चित्रे एकः विशालः [2]..... अस्ति।

शिक्षकः शोभनम्! वृक्षस्य [3]..... कै सन्ति?

राधिकाः वृक्षस्य अधः [4]..... क्रीडन्ति, पशवः च विश्रामं कुर्वन्ति।

प्रश्न 5 मञ्जूषायां प्रदत्तैः उचित अव्ययपदैः रिक्तस्थानानि पूरयत -  $(\frac{1}{2} \times 4 = 2)$

परितः, मा, एकदा, इतस्ततः

1 ——— अहम् भ्रमणाय मुम्बईनगरम् अगच्छम्।।

2 वानरः ——— कूर्दति।

3 वृथा कोलाहलं ——— करु।

4 उद्यानम् ——— वृक्षाः सन्ति।

प्रश्न 6 अधोलिखितेषु रिक्तस्थानेषु प्रकृति प्रत्ययं संयोज्य वाक्यपूर्तिं कुरुत- (½×2=1)

- 1 रमा भोजनम् — ( खाद् + क्त्वा ) प्रसन्नः भवति ।
- 2 सुधा देवालयं — ( गम् + तुमुन् ) सज्जाः भवति ।

प्रश्न 7 रेखांकित पदम् आधृत्य प्रश्नं निर्मायताम् — (½×2=1)

- (1) ईश्वरस्य प्रार्थनया शान्तिः प्राप्यते ।
- (2) चित्रगीतस्य मित्रं हिरण्यकः गण्डकीतीरे निवसति ।

प्रश्न 8 शब्दानाम् अर्थः लिखत — (½×4=2)

अभ्युदयम् , अन्तरे , नायकः , सहसा

प्रश्न 9 उचितपदं चित्वा रिक्तस्थानानि पूरयत — (½×4=2)

मन्त्रूषा - वेदेषु , ऐक्यभावेन , परमेश्वरः , वेदस्य ।

- (1) मन्त्राः ..... भवन्ति ।
- (2) वयम् ..... जीवामः ।
- (3) ..... सर्व व्याप्तः अस्ति ।
- (4) ..... अपरं नाम श्रुतिः ।

### परियोजना कार्य

प्रश्न 10 संस्कृत के महाकवियों जैसे वेदव्यास, वाल्मीकि, बाणभट्ट और कालिदास के चित्र चिपकाते हुए उनके जीवन का संक्षिप्त परिचय देते हुए एक चार्ट बनाइए। (5×1=5)

**Subject: Mathematics**

**General Instructions:**

**General Instructions:**

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in the Math notebook.
- 3) Attempt all questions

**No. of questions: 10**

**M.M. 25**

Q1. Choose the correct option :

(1x2=2)

- i) What is the Cube root of the expression  $125^2$  ?  
(a) 5      (b) 25      (c) 10      (d) 125
- ii) What is  $\sqrt{0.09}$  ?  
(a) 0.3      (b) 0.03      (c) 0.9      (d) 0.33

Q2. State True / False and explain your reasoning :

(0.5x 4=2)

- i) The square of a number is positive, so the cube of that number will also be positive.
- ii)  $125 \times 8 \times 27$  is a perfect cube.
- iii) For an integer  $p$ ,  $p^3$  is always greater than  $p^2$ .
- iv)  $(0.8)^3 = 5.12$

Q3 Find the cube roots of the following by prime factorization method :

(2)

- a) 2744
- b)  $\frac{125}{2197}$

Q4. What could be the possible 'one's' digits of the square root of each of the following numbers?

(2)

- (i) 1801
- (ii) 856
- (iii) 1008001
- (iv) 6577525

Q5. Find the square roots by prime factorization method :

(2)

- i) 3844
- ii) 6889

Q6. The difference of two perfect cubes is 189. If the cube root of the smaller of the two numbers is 3, find the cube root of the larger number.

(2)

Q7. Find the smallest number by which following number must be divided to get a perfect square. Also, find the square root of the perfect square so obtained.

(3)

**Std. VIII Worksheet 1**

(i)600

(ii)2904

Q8, Find the smallest number by which following number must be multiplied to get a perfect square.

Also, find the square root of the perfect square so obtained. (3)

i) 1008

(ii) 1875

Q9. Find the least number by which 1323 must be divided so that the quotient is a perfect cube. Also, find the cube root of the quotient. (3)

Q10. Activity Work : (To be done on portfolio sheet) (4)

Try arranging the numbers 1 to 17 (without repetition) in a row in a similar way - the sum of every adjacent pair of numbers should be a square. Can you arrange them in more than one way? If not, can you explain why?

**Subject: Science**

No. of questions: 10

M.M. 25

**General Instructions:**

- \* Neatly write the answers in your fair notebook.
- \* Attempt the questions keeping in mind the weightage of each question.

Q1. A student observes a dry cell and notices that it contains a zinc container, a carbon rod, and a paste-like electrolyte inside it. He connects the cell in a simple circuit. Which part of the dry cell acts as a negative terminal? (1)

- a. Iron rod
- b. Copper strip
- c. Zinc container
- d. Paste electrolyte

Q2. Rahul investigated whether sugar dissolves faster in hot water or cold water. After completing the activity once, the student repeated the experiment using the same amount of sugar and water. Why was the experiment repeated? (1)

- A. To waste more materials
- B. To make the experiment more difficult
- C. To ensure that the results are accurate and reliable
- D. To change the conclusion of the experiment

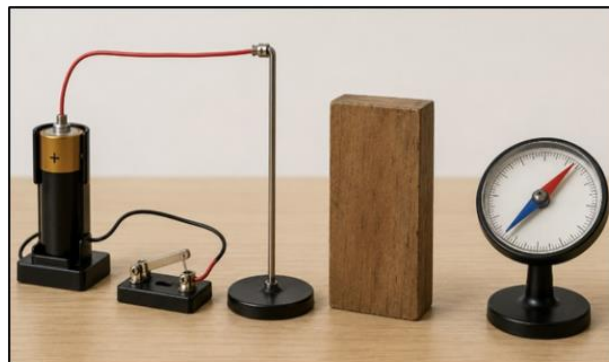
Q3. This is an Assertion-Reason question. It consists of 2 statements- Assertion(A) and Reason(R). Answer this question by selecting the appropriate option given below.

- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is not the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

Q3. **Assertion (A)**- Refrigerated food does not get spoilt easily.

**Reason (R)**: Low temperature completely kills all microorganisms present in food.

Q4. A student places a wooden block between a compass needle and a current-carrying wire, yet the needle still deflects. What conclusion can be drawn from this observation? (2)



**Std. VIII Worksheet 1**

Q5. Collect information about the flow of electric current in an electric circuit. Using the information gathered, prepare a neat and well-labelled flow chart showing the different stages in the journey of scientific investigation involved in understanding how electric current flows through a circuit. (2)

Q6. Dry cells are commonly used in remote controls, while rechargeable batteries are preferred in laptops. Compare the two types of cells on the basis of usage, cost, and environmental impact. Which one would you prefer for daily-use electronic devices and why? (3)

Q7. Rohan wanted to investigate how the growth of a plant is affected by sunlight. He kept two similar plants in identical pots and gave them the same amount of water and soil. However, one plant was kept in sunlight for 6 hours daily, while the other was kept in sunlight for only 2 hours daily. After two weeks, he observed a difference in their growth.

Identify the independent variable, dependent variable, and controlled variables in this investigation. Justify your answer. (3)

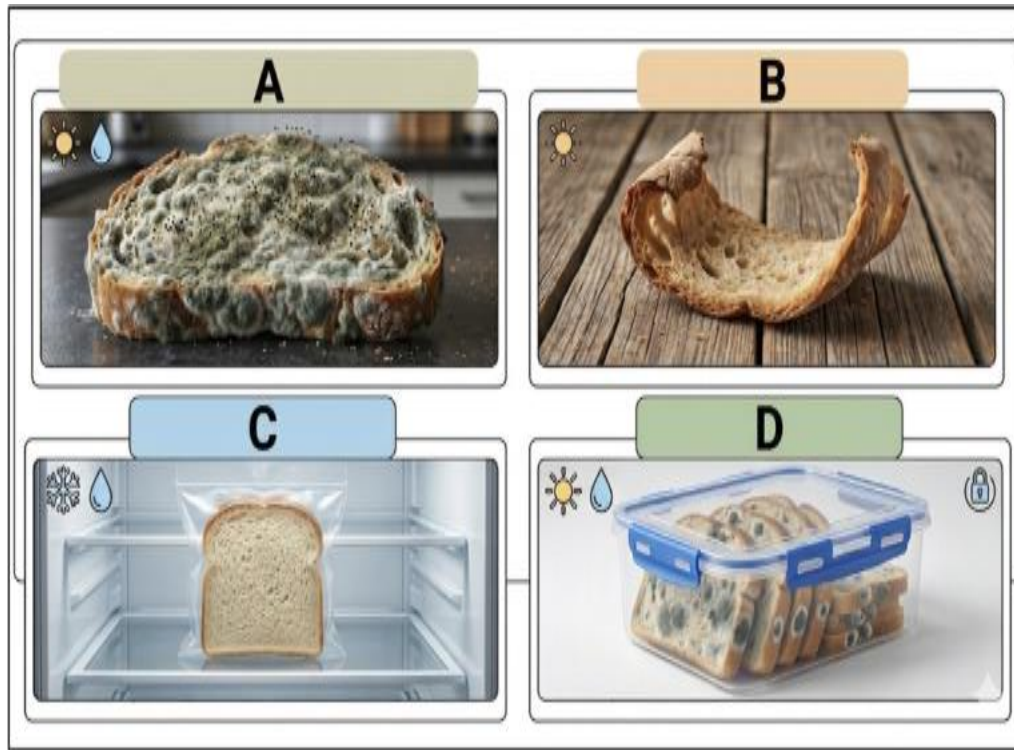
Q8. (a) Why is Spirulina considered an effective food supplement for people suffering from malnutrition? Explain with suitable reasons. (1)



(b) “Organic waste from farms and households can be converted into useful fuel.” Based on this, explain: (2)

1. Which fuel is produced? Name the microorganisms involved in the process.
2. One environmental advantage of this method.

Q9. A student wanted to find out the conditions required for the growth of microorganisms. She took four slices of bread and kept them under different conditions as shown below: (4)



Bread Slice	Condition
A	Moist bread kept in a warm place
B	Dry bread kept in a warm place
C	Moist bread kept in a refrigerator
D	Moist bread kept in an airtight container

After 5 days, she observed fungal growth on some bread slices. Answer the following questions:

- Which bread slice is most likely to show maximum fungal growth? Give a reason.
- Why is there little or no fungal growth on bread slice C?
- What does bread slice D indicate about the role of air in microbial growth?
- Based on this experiment, state any three conditions necessary for the growth of microorganisms.

Q10. Perform an activity to study whether the size of a paper aeroplane affects the distance it travels. While performing the activity, follow the steps involved in the scientific journey of investigation.

Instructions:

- Make five paper aeroplanes of different sizes using the same type of paper.
- Choose an open area for testing.

**Std. VIII Worksheet 1**

3. Throw each aeroplane with equal force from the same starting point.
4. Measure the distance travelled by each aeroplane using a measuring tape.
5. Repeat the activity three times for reliable results.

Answer the following questions:

(a) Why should all aeroplanes be made using the same type of paper? (1)

(b) Observation / Recording Data

Record the distance travelled by each aeroplane during all three trials in a table and complete the observation table. (1)

<b>Trial No.</b>	<b>10 cm Aeroplane Distance (m)</b>	<b>15 cm Aeroplane Distance (m)</b>	<b>20 cm Aeroplane Distance (m)</b>	<b>25 cm Aeroplane Distance (m)</b>	<b>30 cm Aeroplane Distance (m)</b>
Trial 1					
Trial 2					
Trial 3					

(c) (i) Compare the distances travelled by the five aeroplanes. (1)

(ii) Based on the observations recorded in the table, what conclusion can you draw about the effect of the size of a paper aeroplane on the distance travelled? (2)

**Subject: Social Science**

**General Instructions:**

- **The work should be done neatly and in a systematic way.**
- **The given assignments are to be done in History, Civics, and Geography notebook.**
- **Mention the number of worksheets while doing the work.**
- **Write all the questions along with the answers.**

No. of questions: 10

M.M. 25

Q1. Identify the Mughal ruler.

(1)

- A) Aurangzeb
- B) Akbar
- C) Babur
- D) Humayun

Q2. Which body conducts elections in India?

(1)

- A) Parliament
- B) Supreme Court
- C) Election Commission of India
- D) Police Department

Q3. The Amazon Rainforest is known as:

(1)

- A) The Green Desert
- B) The Water House
- C) The Lungs of the Earth
- D) The Mineral Hub

Q4. Name five independent Deccan Sultanates.

(2)

Q5. How does Universal Adult Franchise promote equality?

(2)

Q6. Riya says that only educated people should be allowed to vote. Do you agree? Give reasons for your answer.

(2)

Q7. Your school notices that taps are left open during recess. Suggest four measures to conserve water in the school.

(2)

Q8. Why is Sher Shah remembered as an efficient ruler?

(3)

Q9. How do elections strengthen democracy? Explain with examples.

(3)

Q10. Differentiate between renewable and non-renewable resources with examples.

(3)

**Project work-**

(5)

**Sustainable Living Project**

**Theme: “Living Green for a Better Tomorrow”**

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**Aim of the Project**

**To create awareness about sustainable living and encourage students to adopt eco-friendly habits in daily life.**

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**Project Guidelines**

- The project should be handwritten neatly on A4 sheets/file.
  - Use coloured headings, drawings, pictures, or charts.
  - Keep the project neat, creative, and concise.
- 

**Sections to Include**

**1. Cover Page**

Include:

- Topic name
  - Student’s name
  - Class & section
  - Roll number
- 

**2. Introduction (½ page)**

Write briefly on:

- What is sustainable living?
  - Why is it important?
  - How can students help protect the environment?
- 

**3. Activity Work**

**A. Plastic Use at Home**

Observe plastic items used at home for 2–3 days.

Include:

- A small table/chart of plastic items used
  - Two ways to reduce plastic waste
- 

**B. Electricity Saving**

Prepare a table showing:

Appliance Hours Used How to Save Electricity

Write any three methods to save electricity.

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**C. Eco-Friendly Habits Checklist**

Tick the habits you follow for one week:

**Std. VIII Worksheet 1**

Habit	✓ / ✗
Switched off lights	
Saved water	
Used cloth bag	
Reused paper	

**D. Poster Making**

Make one colourful poster on any ONE topic:

- Save Earth
  - Go Green
  - Reduce, Reuse, Recycle
  - Say No to Plastic
- 

**4. Conclusion (½ page)**

Write:

- What you learned from the project
  - Eco-friendly habits you will follow in future
- 

**5. “5 Eco-Friendly Habits I Will Follow”**

Example:

1. I will save water.
  2. I will switch off unused lights.
  3. I will avoid plastic bags.
  4. I will plant more trees.
  5. I will recycle waste materials.
-

**Subject: Computer Science**

**General Instructions:**

- 1) The work should be done neatly and systematically.
- 2) The given questions should be completed in the Computer Science notebook.
- 3) All questions are compulsory.
- 4) Write only answers.

**Find the output of the following program code.**

(2x5=10)

1. attendance = 82

Read attendance

if attendance > 75 then

    print("Eligible for exam")

else

    print("Not eligible for exam")

2. speed = 75

Read speed

if speed > 80 then

    print("Overspeeding")

else

    print("Speed is under control")

3.

height = 145

if height >= 140 AND height <= 180 then

    print("Eligible for the ride")

else

    print("Not eligible for the ride")

4.

temperature = 25

if temperature >= 20 OR temperature <= 30 then

    print("Weather is pleasant")

else

    print("Weather is extreme")

5.

rain = True

if NOT(rain) then

    print("You can go outside")

**Std. VIII Worksheet 1**

else

print("Stay indoors")

**Answer the following questions.**

6. What do you mean by a loop? Differentiate between counting loop and conditional loop. (3)
7. What is a conditional statement? Draw and explain a flowchart for a conditional statement. (3)
8. Briefly explain the three types of control structures. (3)
9. What are jump statements? Name and explain them. (3)
10. Mention any three benefits of using loops. (3)

**Subject: Elementary Math**

**General Instructions:**

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in the Math notebook.
- 3) Attempt all questions.

Q1 Choose the correct option : (1x 4)

- (i) Which number is the successor of 69999  
a) 26349    b) 9999    c) 70000    d) 99999
- (ii) Which number is the predecessor of 29998  
a) 29997    b) 99999    c) 72159    d) 29999
- (iii) Which Roman numeral is correct for 49  
a) XCIX    b) XLIX    c) LXVIII    d) XL
- (iv) Which Hindu-Arabic numeral is correct for LXV  
a) 60    b) 70    c) 65    d) 90

Q2 Write the numerals: (1×3)

- I. Eighty two thousand five hundred sixty two
- II. Seven hundred twenty three thousand five hundred ninety two
- III. Eight million two hundred six

Q3 Write the successor and predecessor of these numbers. (1×3)

- I. ----- 399999 -----
- II. ----- 7000001 -----
- III. ----- 3590000 -----

Q4 Write the numbers in its expanded form. (1×2)

- I. 1,92,732
- II. 30,063

Q5 Arrange the following numbers in the ascending order: (2×1)

612856; 721612; 92936; 121579

Q6 Arrange the following numbers in descending order: (2×1)

3125261; 1321570; 1321750; 213261

**Std. VIII Worksheet 1**

Q7 Write the following numbers in Roman numerals: (1×2)

- I. 99
- II. 67

Q8 Write the following in Hindu- Arabic numerals: (1×2)

- I. LXXIV
- II. LIX

Q9 Write the smallest and the greatest possible numbers using each of the digits only once: (1x2)

- I. 6,3,9,8,1,0
- II. 8,0,5,2,1,3,7

Q10 Collect contact numbers of your 5 family members and Rewrite the numbers in International system. (3x1)