



St. Mary's School, Dwarka
Holiday Homework
Std. X
Week 1
Worksheet 1

Subject: English

General Instructions:

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

SECTION A- READING (5 marks)

Q1. Read the following passage.

(1x5=5)

1. Hobbies help us grow as a person. The best way to have a new hobby is to try something new. All of us are unique, and this is the reason why our hobbies and interests are different. Once we find an activity, we are passionate about, we can explore that activity more. When you get hooked, you will realize that your hobby has become an integral part of your life. Having a hobby that we enjoy brings us joy and refreshes us. Hobbies help us to manage our leisure and unplanned time more productively. It also gives you the opportunity to learn new skills in your work. But these are not the only benefits of having a hobby.

2. It feels great to be skilled and good at something, doesn't it? And this is what makes you confident. It can take some time to develop your hobby so that you may be able to tell that you are skilled. But, the journey of experiencing your hobby is very rewarding in itself. With the exposure to different types of activities these days, it doesn't matter which activity you choose. Whether you are pursuing a craft, sports, puzzles, or skill development, your hobby should be a diversion and a passion. Simultaneously, if your hobby gives you a sense of purpose, then you will be more confident about challenging yourself in your hobby and help you prepare for learning new things at work.

3. Hobbies give you an opportunity to enhance your life. They allow you to de-stress yourself while remaining mentally productive. Having hobbies promotes better health and may lower the risk of having high blood pressure. Enjoying a few hours of your hobby a week can also reduce the risk of depression and dementia. Hobbies refocus your mind on to something that you enjoy doing. Hobbies that include physical activities create chemical changes in your body that help to reduce stress.

4. Even if it doesn't involve physical activities, you can still reap the benefits of having a hobby. Getting a short break from work and doing something you are passionate about can rejuvenate your mind and help prepare you to handle challenges in the future in a better way.

5. Hobbies may provide an opportunity for you to socialize with people and that can be an additional benefit for your overall well-being. You can connect with people who enjoy doing the same things that you do. You can meet new people, discuss your hobby and get connected to a bigger circle that may even

help you turn your hobby into your profession. The internet provides numerous groups and forums to connect with people that enjoy doing the same things that you want to do.

Based on your understanding of the passage, attempt the questions given below.

- i. If we choose to have a hobby that we like, we _____.
- ii. If we are skilled and good at something, _____.
 - a) others will approach us for help
 - b) we will become more confident
 - c) it will help us to reap benefits
 - d) we can inspire and motivate others
- iii. Give any one reason how hobbies can enhance your life.
- iv. Which of the following statements is **NOT TRUE**?
 - a) Everyone has different hobbies and interests.
 - b) Hobbies help us to learn new skills in our work.
 - c) We can experience better health if we have hobbies
 - d) Hobbies must include physical activities.
- v. Suggest a suitable title for the above passage.

Answer questions 2 to 4 in 20-40 words.

Q2. Why do you think Lencho compared the raindrops to new coins? What had he been waiting for? (2)

Q3. What do you think Nelson Mandela meant by 'glorious a human achievement' in his speech 'Long Walk to Freedom'? (2)

Q4. "Some say the world will end in fire
Some say in ice"

Why does the poet think that the world will end in fire and ice? (2)

Answer question 5 in 80-100 words.

Q5. "He had never been known to refuse food; he would tackle a meal at any hour of the day or night." Herriot believed that Trick's problem was his greed. What values would you like Tricki to imbibe? Elucidate? (4)

Q6. Design a card with a picture and message on 'What Freedom Means to You'. (4)

Q7. Read the following conversation between Rahul and Aman. Complete the sentences by reporting Aman's reply in reported speech. (1/2x4=2)

Rahul: Why didn't you attend the coaching class yesterday?

Aman: I was preparing for my Science test.

Rahul: When is the Science test?

Aman: The teacher has not informed the date yet.

Rahul asked Aman why a)_____. Aman replied that b)_____ Science test. Rahul further asked c)_____. Aman replied that d)_____ the date yet.

Q8. Complete the given sentence, by filling in the blank with the correct option: (2)

i. I would like to meet you after you _____ your work.

(a) had finished (b) will have finished (c) have finished (d) will finish

ii. Fill in the blank by using the correct form of the word in the bracket.

Dev and his brother Raj prefer_____ (play) hockey on Saturday.

Q9. You are Rohan/Radhika of St. George's School, Pune. You saw an advertisement in The Times of India regarding the new courses introduced in The Institute of Fashion Design. Write a letter to the Director inquiring about the venue, duration, fee structure, activities etc. Invent other necessary details.

(3)

Q10. You are Sahil/Stuti residing at 12/A Sun View Apartments, Jaipur. The residents of your apartment have been facing a lot of disturbance due to the construction work going on in the adjacent apartment. Write a letter to the Editor of a newspaper complaining about the aforementioned issue in 120-150 words.

(4)

Subject: Hindi

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

2 कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में कीजिए।

प्रश्न 1 निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर उचित विकल्प चुनकर दीजिए: (1×5=5)

मनुष्य घुमंतू स्वभाव का प्राणी है। वह आदिकाल से ही जगह-जगह घूमता रहा है। कभी वह भोजन और आवास की शरण में भटकता रहा तो कभी प्रचार-प्रसार हेतु। वर्तमान समय में भी मनुष्य काम-काज की खोज या मनोरंजन के लिए कहीं न कहीं आ जा रहा है। इस साल गरमियों में मैंने अपने मित्र के साथ वैष्णो देवी की यात्रा का कार्यक्रम बनाया। वैष्णो देवी हो या अन्य पर्वतीय स्थल, गरमियों में वहाँ पर्यटकों की संख्या बढ़ जाती है। ऐसे में मैंने इन स्थानों पर जाते समय पहले से आरक्षण करवा लिया था। मैंने अपने कपड़े, टिकट, बिस्किट, नमकीन, रीयल जूस, खट्टी-मीठी गोलियाँ ए.टी.एम. कार्ड, पहचान-पत्र आदि रख लिया। इसके अलावा दो चादरें, तौलिया, जुराबें, स्लीपर (चप्पलें) आदि रख लिया। मैं ट्रेन आने के दो घंटे पहले घर से आटो लेकर निकल पड़ा। संयोग से ट्रेन आने से पहले ही मैं स्टेशन पहुँच गया। ट्रेन प्रातः चार बजकर दस मिनट पर आई और आधे घंटे बाद चल पड़ी। कटरा पहुँचकर हमने एक कमरा किराए पर लिया। अब तक सारां के साठे चार बजने वाले थे। वहाँ आराम करके शाम को कटरा घूमने चले गए। होटल लौटकर खाना खाया और आराम किया। करीब साढ़े दस बजे मैं अपने मित्र के साथ पैदल वैष्णो देवी की यात्रा पर पैदल चल पड़ा। पहले तो लगता था कि चौदह किलोमीटर लंबी चढ़ाई कैसे चढ़ी जाएगी, पर बच्चों और वृद्धों को पैदल जाता देखकर मन उत्साहित हो गया। हम भी उनके साथ 'जय माता दी' कहते हुए रास्ते में चाय-कॉफ़ी पीते और आराम करते हुए हम वैष्णो देवी पहुँच गए। वहाँ करीब एक घंटे बैठकर विश्राम किया। अब तक सुबह हो गई थी। चारों ओर पहाड़ ही पहाड़, क्या अद्भुत दृश्य था। इतना सुंदर दृश्य देखकर मन रोमांचित हो उठा। वहाँ ठंडे पानी में स्नान करके कपड़े बदले, माता के दर्शन किए, प्रसाद लिया। बाहर आकर नाश्ता किया और भैरव नामक पहाड़ी की चढ़ाई करने लगे। दो घंटे बाद हम भैरव नामक मंदिर के सामने थे। पहाड़ को इस तरह देखने का अनुभव मन में रोमांच भर रहा था। यह मेरी पहली पर्वतीय यात्रा थी। इसकी यादें मन को अब भी रोमांच से भर देती हैं। इससे यह सीख मिलती है कि जब भी समय मिले मनुष्य को प्रकृति के निकट अवश्य जाना चाहिए।

(i) मनुष्य के कहीं न कहीं आने- जाने का क्या कारण है?

(1)

- (क) शौक पूरे करना
- (ख) समय व्यतीत करना
- (ग) काम-काज की खोज या मनोरंजन
- (घ) जीवन का आनंद पाना

(ii) लेखक किस स्थान की यात्रा पर गया था?

(1)

- (क) लक्ष्मी देवी
- (ख) कामाख्या देवी

(ग) मनसा देवी

(घ) वैष्णो देवी

(iii) लेखक ने किराए पर कमरा किस स्थान पर लिया?

(1)

(क) कटरा

(ख) जम्मू

(ग) कातरा

(घ) दिल्ली

(iv) स्टेशन पर ट्रेन कितने बजे पहुँची ?

(1)

(क) चार बजकर दो मिनट पर

(ख) चौदह बजकर चार मिनट पर

(ग) चार बजकर चौदह मिनट पर

(घ) चार बजकर दस मिनट पर

(v) किनको पैदल चलते देखकर लेखक का मन उत्साहित हो उठा था?

(1)

(क) युवाओं और वृद्धों को

(ख) बच्चों और महिलाओं को

(ग) बच्चों और वृद्धों को

(घ) नेता और पंडितों को

निम्नलिखित प्रश्नों के उत्तर उचित विकल्प चुनकर दीजिए :

(1×5=5)

प्रश्न 2 'नीली कमीज़ वाला' लड़का मेरा दोस्त है।' वाक्य में रेखांकित पदबंध का सही भेद क्या है?

(1)

(क) संज्ञा पदबंध

(ख) सर्वनाम पदबंध

(ग) विशेषण पदबंध

(घ) क्रिया विशेषण पदबंध

प्रश्न 3 'शेर बहुत तेज गति से भाग रहा है।' वाक्य में क्रिया विशेषण पदबंध क्या है ?

(1)

(क) शेर बहुत

(ख) बहुत तेज गति

(ग) से भाग

(घ) भाग रहा है

प्रश्न 4 मैंने मदन को समझाया परन्तु वह नहीं माना -- वाक्य रचना की दृष्टि से कौन सा प्रकार है?

(क) संयुक्त वाक्य

(1)

(ख) सरल वाक्य

(ग) मिश्रित वाक्य

(घ) मिश्रित सरल वाक्य

प्रश्न 5 द्वंद्व समास का सही उदाहरण क्या है?

(1)

(क) हाथों -हाथ

(ख) रोगमुक्त

(ग) गंगा - यमुना

(घ) पंजाब

प्रश्न 6 सब्जी खराब देने पर महिला ने सब्जी वाले को ----- ।

(1)

(क) आड़े हाथों लेना

(ख) जी ललचाना

(ग) लोहे के चने चबाना

(घ) खून जलाना

निम्नलिखित प्रश्नों के उत्तर दीजिए —

(3×2 = 6)

प्रश्न 7 बड़े भाई साहब की स्वभावगत विशेषताएँ बताते हुए आप अपने किन्हीं पाँच गुणों और अवगुणों के विषय में लिखिए ।

प्रश्न 8 कबीर की साखियों से क्या शिक्षा मिलती है ? तथा उनकी भाषा शैली पर प्रकाश डालिए ।

निम्नलिखित प्रश्नों के उत्तर दीजिए —

(2×2=4)

प्रश्न 9 (क) हरिहर काका अपने परिवार से क्यों नाराज़ थे ? जब कभी आप अपने परिवार से नाराज़ होते हैं तो किस प्रकार आपकी नाराज़गी दूर की जाती है ?

(ख) हरिहर काका के परिवार का स्वरूप कैसा था , आप संयुक्त परिवार या एकल परिवार किसे उचित समझते हैं और क्यों ? तर्क सहित उत्तर दीजिए ।

प्रश्न 10 'ग्लोबल वार्मिंग-मनुष्यता के लिए खतरा' विषय पर संकेत बिंदुओं के आधार पर 100 से 150 शब्दों में अनुच्छेद लिखिए ।

(1×5=5)

संकेत बिन्दु • ग्लोबल वार्मिंग क्या है ?

• ग्लोबल वार्मिंग के कारण

• ग्लोबल वार्मिंग के प्रभाव

• समस्या का समाधान ।

Subject: Mathematics

General Instructions:

- 1) The work should be done neatly and in a systematic way.**
- 2) The given questions are to be done in the Math practice notebook.**
- 3) Attempt all questions.**

- Q-1 If $H.C.F(24, x) = 8$ and $L.C.M.(24, x) = 48$, Find the value of x . (2)
- Q-2 Explain whether the number $3 \times 5 \times 13 \times 46 + 23$ is a prime number or a composite number. (2)
- Q-3 If HCF of 144 and 180 is expressed in the form $13m - 3$, find the value of m . (2)
- Q-4 Show that 9^n can not end with digit 0 for any natural number n . (2)
- Q-5 Determine the values of p and q so that the prime factorisation of 2520 is expressible as $2^3 \times y \times q \times 7$. (2)
- Q-6 Express the number 0.3178 In the form of rational number a/b . (3)
- Q-7 The LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one number is 280, then find the other number. (3)
- Q-8 The decimal expansions of some real numbers are given below. In each case, decide whether they are rational or not. If they are rational, write it in the form p/q . What can you say about the prime factors of q ? (3)
- (i) 0.140140014000140000... (ii) $0.\overline{16}$
- Q-9. Find the value of the polynomial $5x - 4x^2 + 3$ at $x = 2$ and $x = -1$ (3)
- Q-10 Prove that $\sqrt{2}$ is irrational. (3)

Subject: Science

Objective:

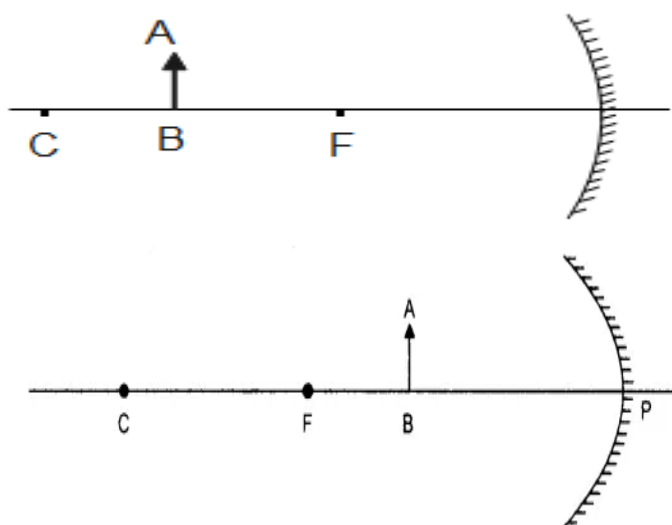
- Revision of concepts.
- Skills to carry out research and develop scientific aptitude.
- Encouraging learning through experience.

Instructions:

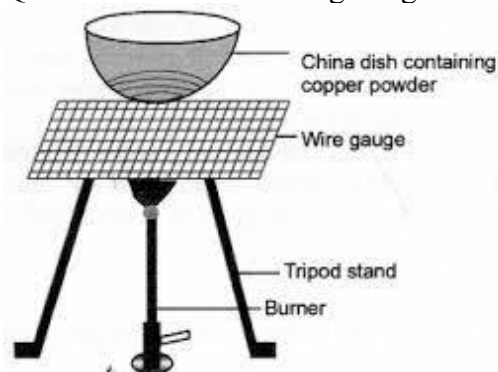
- * Neatly write the answers in your respective subject notebooks.
- * Attempt the questions keeping in mind the weightage of each question.

Q1. What is the significance of mucus in stomach? (1)

Q2. Show the formation of image of the object AB with the help of suitable rays. (2)



Q3. Observe the following image and answer the following questions- (2)



- Explain the colour change observed in this process
- Write the chemical equation involved in it.
- Name the product formed.

Q4. How does bile help in digestion in human? (2)

Q5. A make-up mirror provides 5 times magnification. A person positions their face 15 cm away from the mirror. Determine: (3)

- The location of the person's face in the mirror.

- (ii) The radius of curvature of the mirror.
- (iii) The type of mirror (converging or diverging)

Q6. 'Double displacement reactions are mostly precipitation reactions.' Justify this statement with a chemical equation. (3)

Q7. Differentiate between nutrition in mushroom and cuscuta. (3)

Q8. Geeta has three concave mirrors A, B, and C of focal lengths 10 cm, 15 cm and 20 cm respectively. For each concave mirror, she performed the experiment of image formation for three values of an object distance of 10 cm, 20 cm and 30 cm.

Give reason for the following: (1+1+2)

- (i) For the three object distance, identify the mirror/ mirrors which will form an image of magnification -1.
- (ii) Out of the three mirrors identify the mirror which would be preferred to be used for shaving purposes/make-up.
- (iii) For the mirror B draw the ray diagram for image formation for object distances 10cm and 20cm.

Q9. Balance the following chemical equations:

- (i) $\text{FeSO}_4 \rightarrow \text{Fe}_2\text{O}_3 + \text{SO}_2 + \text{SO}_3$ (5)
- (ii) $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
- (iii) $\text{Cl}_2 + \text{KI} \rightarrow \text{KCl} + \text{I}_2$
- (iv) $\text{Al} + \text{CuCl}_2 \rightarrow \text{AlCl}_3 + \text{Cu}$
- (v) $\text{KClO}_3 \rightarrow \text{KCl} + \text{O}_2$

Q10. Draw a neat and labelled diagram of human alimentary canal. (5)

Subject: Social Science

General Instructions:

- 1) The work should be done neatly and in a systematic way.
- 2) The given questions are to be done in your respective subject notebooks.

- | | |
|---|---|
| Q1. Distinguish between extinct species and endangered species. Give examples. | 1 |
| Q2. What was the main aim of the Treaty of Vienna of 1815? | 1 |
| Q3. Who remarked “When France sneezes, the rest of Europe catches cold”? | 1 |
| Q4. Which type of soil is the most widespread and important soil of India? Describe in detail about this soil type. | 2 |
| Q5. Define the term ‘Ethnic’. Why is the ethnic composition of Belgium very complex? | 3 |
| Q6. Project Work: | 3 |
| Draw the logo of G20 and explain how it is an excellent example of power sharing. | |
| Q7. What is the need for ‘conservation of resources’? Elucidate in the light of Gandhiji’s view. | 3 |
| Q8. Give some examples where factors other than income are important aspects of our lives. | 3 |
| Q9. What is meant by National Development? Give your own opinion. | 3 |
| Q10. The decade of 1830 had brought great economic hardships in Europe’. Support the statement with arguments. | 5 |

Subject: Information Technology

General Instructions:

- 1) The work should be done neatly and in a systematic way.
- 2) The given questions are to be done in the Computer Science notebook.
- 3) Attempt all questions.

I Multiple Choice Questions

- i. Which of the following is not a data type? 1
(a) Picture/Graphic (b) Date/Time (c) Text (d) Number
- ii. The default data type for a field is 1
(a) number (b) auto number (c) currency (d) text
- iii. What is the use of the Memo data type? 1
(a) To add table (b) To store objects created in other programs
(c) For long text entries (d) For short text entries
- iv. What datatype should be chosen for a zip code field in a table? 1
(a) Text (b) Number (c) Memo (d) All of these
- v. You create a table in MS-Access. You decided to create two fields RollNo and Date_of_Birth, what will be the data type of Date_of_Birth column? 1
(a) Number (b) Text (c) Yes/No (d) Date/Time

II Short Answer Type Questions

2. What do you mean by DDL? 2
3. How can you create a table using the CREATE command? 2
4. What is the use of forms? 2
5. What is RDBMS? How does DBMS help to avoid data inconsistency? 2

III Case-based questions

1x5=5

6. Write the SQL commands for the questions from (i) to (v) on the basis of table Employee

Table : Employee							
Emp_no	E_name	Profile	Manager	Hire_date	Salary	Commission	Dept_no
8369	SMITH	CLERK	8902	1990-12-18	8000	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	16000	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	12500	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	29850	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	12500	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	28500	NULL	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	24500	NULL	10
8888	SCOTT	ANALYST	8566	1992-12-09	30000	NULL	20
8839	AMIR	PRESIDENT	NULL	1991-11-18	50000	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	15000	0.00	30

- (i) Display Employee Name and Salary of those employees whose salary is greater than or equal to 22000.
- (ii) Display details of employees who are not getting commission.
- (iii) Display employee name and salary of those employees who have their salary in the range of 2000 to 4000.
- (iv) Display the name, profile and salary of an employee (s) who doesn't have a manager.
- (v) Display the name of employee whose name contains "A" as fourth alphabet