

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

Subject: English

READING

Q.1 Read the following passage carefully.

1. Medical tourism in India is on an upswing, with about 5,00,000 foreign patients travelling to India for medical care. It's no less than a pilgrimage for those who come to our shores for medical treatments. The current worth of the industry is estimated at 1,000 crores, with a growth potential of 100 percent every year. The industry is poised to bring in as much as ` 5,000 to 10,000 crores by 2033.

2. Many factors contribute to the expansion of this sector, one of them being the high-end facilities. "Only when we go to different countries, do we realize how much better off we are in terms of infrastructure and quality. The country has the resources to be on the global map for medical tourism as it has a combination of all the right ingredients," says Dr. Rajendra Prasad, senior consultancy neurosurgery.

3. India is also renowned for its talent pool and the doctors are known for their expertise and knowledge. Cutting edge medical technologies and drugs available are at par with the developed world. The cost factor is another big reason for the popularity of India as a medical tourist destination. The difference being as much as ten or twenty times.

4. The culture of 'Athithi Devo Bhava' extends into medical tourism, with quality facilities being offered by hospitals to international patients. Super speciality hospitals are successfully providing unparalleled medical treatment to patients, resulting in superior outcomes, very low risk of infections and excellent post-surgery care. The whole experience can be simply termed as 'value for money'.

5. Medical tourism is undoubtedly a fast-growing sector. It is felt that the government is not doing enough to promote this sector. The Ministry of Tourism should pitch in a big way and in financial support to stakeholders and better infrastructure facilities. More liberal loans, tax benefits and incentives to medical service providers will go a long way in giving a boost to this industry. Promoting medical tourism would mean more employment opportunities for our people, more goodwill for the country and more dollars for the government treasury.

1.1 On the basis of your reading of the above passage, answer the following questions: (1x5=5)

- i) What is the status of medical tourism in India?
- ii) Mention two factors which have contributed to the growth of medical tourism in India.
- iii) What is most remarkable about our super speciality hospitals?
- iv) What steps should the government take to give a boost to medical tourism?
- v) Find a word in Para 4 which means the same as 'unmatched'

WRITING & GRAMMAR

Q2. You are Rajat/Rajni, Activity In-charge of Ryan International School, Dwarka, New Delhi. Your school is planning to visit Kerala during the autumn break with 150 students and 7 teachers. Write a letter of inquiry to the Tour Manager, Balaji Tours and Travels, Connaught Place, New Delhi, enquiring about the itinerary, charges, accommodation and other facilities. (3)

Q3. Fill in the blanks with appropriate words: (1/4x4=1)

Remember (i) day is a new chance (ii)get everything right. There is something (iii) flexible people. They are relatively easy to please, fun to talk to and are great co-workers and friends. They are (iv)home almost anywhere and more importantly make you feel the same.

Q4. The following passage has not been edited. There is an error in each line against which a blank is given. Identify the incorrect word and write the correct word in your answer sheet. (1/2x4=2)

Error	Correction
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I badly wanted to learnt swimming	(i)
so I hired a trainer that would train me	(ii)
for a month. After training is complete	(iii)
I try to swim, without anyone	(iv)
navigating me.	

Q5. Read the following passage and complete the blanks that follow. (1x2=2)

Sunita: What do you want as a birthday gift?

Neetu: That is a lovely thought but I don't want anything.

Sunita asked Neetu (a) Neetu replied that, that was a lovely thought but (b)

LITERATURE

Q6. Read the following extracts and answer the questions: (1x2=2)

He stalks in his vivid stripes

The few steps of his cage,

On pads of velvet quiet,

In his quiet rage.

i) Who does 'he' refer to? How does he walk?

ii) What does the phrase 'pads of velvet' mean?

Answer the following questions in 20 to 30 words:- (2x2=4)

Q7.What help did Lencho ask from God?

Q8.What did courage mean to Mandela?

Answer the following questions in 50 to 60 words:-

(3x3=6)

Q9. What do the metaphors of 'ice' and 'fire' symbolise? How can they lead to the destruction of the world?

Q10. Discuss the reasons of Tricki's poor health.

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।

अपठित गद्यांश

क - हमारे देश में लोकतांत्रिक व्यवस्था है। इस व्यवस्था में न कोई छोटा होता है न बड़ा, न कोई अमीर न कोई गरीब। देश का संविधान सबके लिए समान है। नागरिक अधिकारों पर सबका समान हक है। लोकतंत्र पारिवारिक-सामाजिक सभी स्तरों पर स्त्री-पुरुष को एक नज़र से देखता है। अपने अधिकारों का इस्तेमाल करने, अपनी बात बेझिझक कहने का सबको समान अधिकार है। आज़ादी मिलने के बाद इस लोकतंत्रत्मक पद्धति के आधार पर हम सभी क्षेत्रों में आगे बढ़े हैं। नारी जागृति आई है, शिक्षा, स्वास्थ्य, राजनीति-सभी क्षेत्रों में विकास हुआ है। ऐसी स्थिति में भी जब हम निराशाजनक बातें करते हैं कि तंत्र ठप्प हो गया है, यह पद्धति असफल हो गई है-यह ठीक नहीं। वास्तव में दोष तंत्र का नहीं-दोष हमारे नज़रिये का है। हमारी अपेक्षाएँ इतनी बढ़ गई हैं जिन्हें संतुष्ट करने के लिए एक क्या अनेक तंत्र असफल हो जाएँगे। हमारा देश विशाल आबादी वाला एक विशाल देश है। इसे चलाने वाला तंत्र भी उतना ही विशाल और समर्थ चाहिए और जैसा कि नाम से स्पष्ट है लोकतंत्र में हम ही तंत्र हैं। जब हर नागरिक इतना शिक्षित हो जाए कि अपने देश, समाज, परिवार, हर व्यक्ति सबके प्रति निष्ठा से अपना दायित्व निभाता रहे तब लोकतंत्र की सफलता सामने आएगी। ज़रूरी है कि हमारी सोच सकारात्मक हो। हम सोचें कि इतनी उदारता, इतनी ग्रहणशीलता और किसी तंत्र में नहीं है जितनी लोकतंत्र में है, मानवता का इतना संतुलित सर्वांगीण विकास किसी और तंत्र में हो भी नहीं सकता।

निम्नलिखित प्रश्नों के उत्तर दीजिए :-

(2×5=10)

प्रश्न 1 'तंत्र ठप्प हो गया है'-ऐसा कहना किसका दोष प्रकट करता है ?

प्रश्न 2 मानवता का सबसे संतुलित विकास किस तंत्र में हो सकता है ?

प्रश्न 3 गद्यांश के आधार पर लोकतंत्र की विशेषताएँ लिखिए।

प्रश्न 4 लोकतंत्र के संबंध में निराशाजनक बातें क्यों नहीं करनी चाहिए ?

प्रश्नः 5. लोकतंत्र की सफलता किन तत्वों पर निर्भर करती है?

अपठित गद्यांश

ख — एक ज़माना था जब मुहल्लेदारी पारिवारिक आत्मीयता से भरी होती थी। सब मिल-जुलकर रहते थे। हारी-बीमारी, खुशी-गम सब में लोग एक दूसरे के साथ थे। किसी का किसी से कुछ छिपा नहीं था। आज के लोगों को शायद लगे कि लोगों की अपनी 'प्राइवसी' क्या रही होगी, लेकिन इस 'प्राइवसी' के नाम पर ही तो हम एक-दूसरे से कटते रहे और कटते-कटते ऐसे अलग हुए कि अकेले पड़ गए। पहले अलग चूल्हे-चौके हुए, फिर अलग मकान लेकर लोग रहने लगे, निजी स्वतंत्रता को अपनी नई परिभाषा देकर यह एकाकीपन हमने स्वयं अपनाया है। मुहल्ले में आपस में चाहे जितनी चिकचिक हो, यह थोड़े ही संभव था कि बाहर का कोई आकर किसी को कड़वी बात कह जाए। पूरा मोहल्ला टिड्डी-दल की तरह उमड़

पड़ता था। देखते-देखते ज़माना हवा हो गया। मुहल्लेदारी टूटने लगी, आबादी बढ़ी, महँगाई बढ़ी, पर सबसे ज्यादा जो चीज़ दुर्लभ हो गई वह थी आपसी लगाव, अपनापन। लोगों की आँखों का शील मर गया। देखते-देखते कैसा रंग बदला है। लोग अपने-आप में सिमटकर पैसे के पीछे भागे जा रहे हैं। सारे नाते-रिश्तों को उन्होंने ताक पर रख दिया है, तब फिर पड़ोसी से उन्हें क्या लेना-देना है। यह नीरस महानगरीय सभ्यता महानगरों से चलकर कस्बों और देहातों तक को अपनी चपेट में ले चुकी है। मकानों में रहने वाले एक-दूसरे को नहीं जानते। इन जगहों में आदमी का अस्तित्व समाप्त हो गया है। यदि आपको फ्लैट नंबर मालूम नहीं है तो उसी बिल्डिंग में जाकर भी वांछित व्यक्ति को नहीं ढूँढ़ पाएँगे। ऐसी जगहों में किसी प्रकार के संबंधों की अपेक्षा ही कहाँ की जा सकती है?

निम्नलिखित प्रश्नों के उत्तर दीजिए :-

(2×5=10)

प्रश्न 1 आज एक-दूसरे से दूर होने का कारण क्या है ?

प्रश्न 2 आज के व्यक्ति को प्राइवेट की नाम पर क्या प्राप्त हुआ है?

प्रश्न 3 मुहल्लेदारी में पारिवारिक आत्मीयता से लाभ क्या-क्या होता था?

प्रश्न 4 वह ज़माना हवा होते ही आया बदलाव समाज के लिए उपयुक्त था या अनुपयुक्त, स्पष्ट कीजिए।

प्रश्न 5 प्राइवेट ने महानगरीय सभ्यता से संबंधों को लगभग समाप्त कर दिया है। ऐसा कहना कितना उचित है ?

Subject - Mathematics

M.M:25

- Q-1 By using Euclid's algorithm, find the largest number which divides 650 and 1170. (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 p and q so that the prime factorisation of 2520 is expressible as $2^3 \times 3^p \times 5^q \times 7$. (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 ?
(i) 0.140140014000140000... (ii) $0.16\overline{6}$ (3)
- 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

Objectives:

- To ensure revision of concepts.
- To enhance skills to carry out research work and develop scientific aptitude.
- To encourage learning through experience.

*Attempt the questions keeping in mind the weightage of each question.

(1) Answer the 2marks questions in 10-20 words.

(2) Answer the 3marks questions in 20-30 words.

(3) Answer the 5marks questions in 40-50 words.

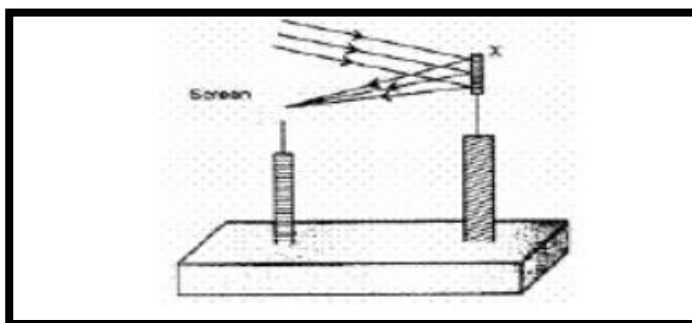
* Attempt your worksheets in your respective science notebooks.

Project Work

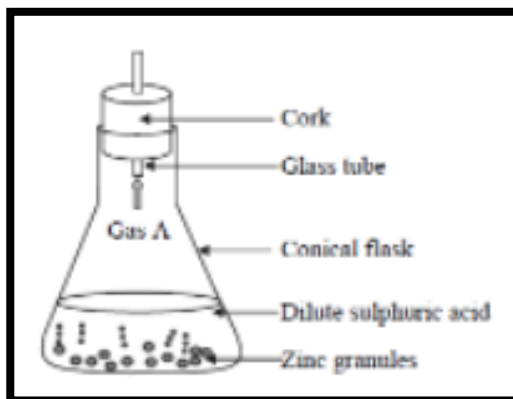
- Research and collect information on AQI (Air Quality Index) of Delhi-NCR in the month of May in last five years.
- Prepare a project report including the following sub- parts:
 - Causes of the change in the value of AQI of Delhi-NCR in the month of May
 - Effects of the change in the value of AQI of Delhi-NCR in the month of May
 - Policies made by state and central government to improve AQI of Delhi.
 - Work done by NGOs and individuals to improve the AQI of Delhi.
 - Graphical representation of the data collected on AQI.
 - Analysis of the data collected on AQI of Delhi-NCR in the month of May in last five years.
- Paste relevant pictures wherever possible.

Q1. A student determines the focal length of a device X by focusing the image on the screen positioned as shown in the figure below. Identify the device X and justify your answer.

(2)



Q2. Identify Gas 'A' in the image given below and write the chemical equation involved. (2)



Q3. What is the difference between skeletal chemical equation and a balanced chemical equation? Explain with the help of a chemical equation. (2)

Q4. Name the end products formed after the digestion of

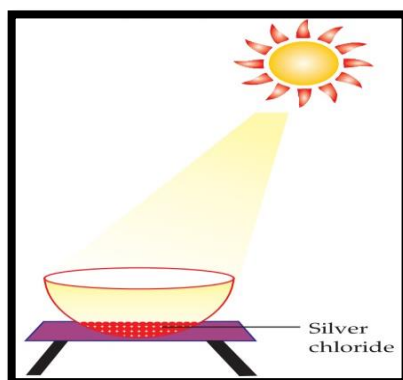
- a) Carbohydrate b) Protein c) Fat (2)

Q5. a) Name the mirror which always forms a same size image. (3)

b) Complete the table given below.

S. No.	Type of mirror/ lens	Use in real life
1	Concave mirror	
2	Convex mirror	
3	Concave lens	
4	Convex lens	

Q6. Manya observed that the white powdery substance silver chloride turns grey when kept in sunlight. She also identified the presence of a gas that is popularly used to disinfect water.



- Write the chemical equation involved.
- State the names of the products.
- Which type of chemical reaction is it? (3)

Q7. Which of the following reactions is/are possible? Explain giving suitable reasons.



(3)

Q8. There are different types of leaves in different plants. How are they adapted to do photosynthesis? (3)



Q9. a) What should be the position of the object, when a concave mirror is to be used in torches producing parallel beam of light?

b) The focal length of a small concave mirror is 2.5 cm. What should be the position of the tooth from the mirror in order to use this mirror as a dentist's mirror?

c) The speed of light in a transparent medium is 0.6 times as that of its speed in vacuum. What is the refractive index of the medium? Calculate the speed of light in this medium.

(5)

Q10. Draw a well labelled diagram of human digestive system.

(5)

Subject: Social Science

Q1. What is Utopian Vision?	2
Q2. What is the main aim of agenda 21?	2
Q3. Mention two methods of soil prevention in hilly area.	2
Q4. Why power sharing is desirable?	2
Q5. How power is shared among different organs of government?	3
Q6. Define the term 'Ethnic'. Why is the ethnic composition of Belgium very complex?	3
Q7. Does availability of good health and educational facilities depend only on amount of money spent by the government on these facilities? What other factors could be relevant?	3
Q8. In Tamil Nadu, 75% of the people living in rural areas use a ration shop, whereas in Jharkhand only 8% of rural people do so. Where would people be better off and why?	3
Q9. What does HDI stand for? Explain the main criteria of measuring HDI according to UNDP Report of 1990?	5
Q10. How did the Treaty Of Vienna (1815) come into being?	5

GEOGRAPHY PROJECT

TOPIC:-SUSTAINABLE DEVELOPMENT.

Prepare a report exhibiting importance and need for sustainable development. Your report should include the given content. This report is an individual activity.

CONTENT:

- Sustainable development and its importance
- Consequences of resource exploitation:
- Sustainable use of resources
- Aims of sustainability:
- Ways to limit the damage caused by humans to the environment
- Energy Resources
- Sustainable Resources:
- Energy Efficiency
- Global Waste Production
- Reducing Waste
- Industrial Pollution
- Carbon Footprints
- Your take on sustainable development

PREPARATION AND SUBMISSION OF PROJECT REPORT:

-Following essentials are required to be fulfilled for its preparation and submission

1. The total length of the project report will be 10 -15 pages.
2. The project report will be handwritten, and credit will be awarded to original drawings, illustrations and creative use of materials.
3. The project report will be presented in a neatly bound simple folder.
4. The project report will be developed in this sequence-
 - Cover page showing project title, student information, school and year
 - List of contents
 - Acknowledgements and preface (acknowledging the institution, offices and libraries visited and person who have helped).
 - Introduction.
 - Chapters with suitable headings.
 - Conclusions (summary and suggestions or findings, future scope of study)
 - Bibliography
 - All the photographs and sketches should be labelled and related to the theme.
 - Appendix (if needed)

Subject: Computer Science

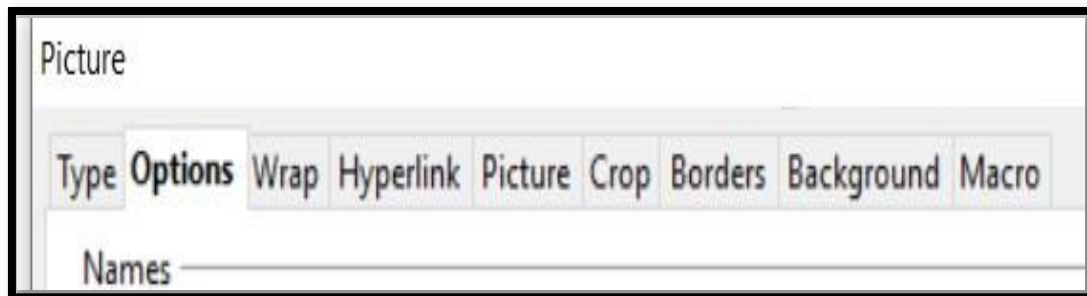
Q1 Fill in the blanks:

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

- a) A _____ is used to apply a group of formatting effects together to the text, paragraph or a heading.
- b) A Template can be created in Writer by saving a document with _____ extension.
- c) The _____ button represents the start of a hyperlink that doesn't appear on the default Structure line.
- d) We can know the name of the style of current paragraph by _____ .

Answer the following:

- Q2 Once we have created the Table of Contents, we must ensure that it must be maintained. What does it mean? 1
- Q3 Write the benefit of creating TOC in any document. What is the mandatory point one must keep in mind for successful creation of TOC in Writer? 1+1=2
- Q4 What are style categories? List few popular style categories. 1+2=3
- Q5 Define a template. How to create a new template in OpenOffice Writer? 1+2=3
- Q6 Explain the purpose of any four tabs which appear when you double click the inserted picture in OpenOffice Writer. 1x4=4



PRACTICAL WORK:

Perform the following practicals on OpenOffice Writer and mention the steps with screenshots in a word document.

1) Objective: Create & Update a new style from the selection in the Style gallery and apply them in the document.

Task: Create new styles in OpenOffice Writer with the following specifications and apply them in a document.

Style Name: IT Content

Style specifications:

Fonts: Name – Rockwell, Size – 20 pt, Bold

Font Effects: Font Colour – Blue, Single Underline, Shadow

OR

Style Name: Cyber Crime

Style specifications:

Fonts: Name – arial Black, Size – 18 pt, Bold

Font Effects: Font Colour – Green, Double Underline

2) Objective: Wrapping text with images

Task: Write 12 to 15 lines about Virtual Reality and use a few pictures to display the wrap text feature.

OR

Task: Create a poster on ‘Global Warming’ including all the appropriate drawing objects and images.