

CLASS X
SUBJECT-ENGLISH

Dear Parents

Summer Holidays Homework is an initiative on our part, to inculcate innovativeness, creativity and interest in the tasks assigned to our students. It will not only enable them to recapitulate what was taught but will also help them to connect themselves to the various learning processes. Please ensure that your child completes the assignment neatly.

GENERAL INSTRUCTIONS

1. Do the following questions in a separate notebook.
2. The work must be presentable and done in neat and clean handwriting.
 3. All the questions are compulsory.
 4. The work will be assessed for the internals.
5. Revise the syllabus covered till now.

ASSIGNMENT 1 (LITERATURE)

Q 1 Answer the following questions in about 30 – 40 words:

- a. What were Lencho's feelings when he found the letter with money in it? What did he do after opening the letter?
- b. Where was Lencho's house situated? Why did he sit seeing the sky?
- c. What did the postmaster do to keep the faith of Lencho?
- d. Why is 10th May, 1994 important for South Africa?
- e. What is the dream of Nelson Mandela for the future of South Africa?
- f. How did the seagull feel when his belly touched the green sea?
- g. What shocked the narrator after landing safely?
- h. What is the underlying message for us in our hectic life with reference to the poem "Dust Of Snow"?
- i. Why does the tiger express his anger quietly?
- j. What does "Fire" and "Ice" stand for and what is the general opinion regarding the world?

ASSIGNMENT 2 (GRAMMAR)

Q1. Fill in the blanks with the most suitable word: In 1905, Albert Einstein worked as a technical expert (a)..... the local patent office. During this time he published four of his (b)..... important papers on the history of science. It proved to be a major step (c) progress in the field of science, which is (d)..... remembered after ages.

Q2. Fill in the blanks with most suitable word: A great part of Arabia (a)..... a desert. The sand is so hot that you (b).....walk over (c).....with your bare feet in the daytime. During night you can (d) It was pleasant.

Q3. The following passage has not been edited. There is an error in each line. Find out the error. A saint walks the streets of Kolkata

It can happen only at India. It is time that us realise our strength. We are greater people.

We have so much religious leaders.

Q4. Find out the error in each line:

After his speech, his father flick open

the basket lid and play the pipe again,

whereupon the snake springed out.

People run in terror to save..... his lives.

Q5. In the following passage one word has been omitted. Find out the missing word:

A large part India`s population is

.....

illiterate. Illiteracy is biggest evil

.....

of the Indian society. Removal illiteracy

is necessary an all-round development of

Q6. Find out the missing word:

A boy drowning in a river

..... and he shouted help. A man who passing jumped into the river saved his life.

.....

As man was leaving the boy

..... Asked him why he had risked his own life.

ASSIGNMENT 3 (WRITING)

Write a format of a formal letter beautifully on an A3 size sheet.

Q1. You are Priyanka Chopra, resident of 20, Paradise Colony, Mayur Vihar, Panchkula. There has been an alarming rise in accidents in your neighbourhood, especially on the National Highway. More than 11 deaths have been reported in the previous month alone, yet the number is on the rise. Write a letter to the Editor, The Tribune, Chandigarh, expressing your concern and suggestion.

Q2. You are Hardeepak Singh, a brilliant student who has completed his class X from a small town in Himachal Pradesh. Your friend has shown you an advertisement about a coaching centre for IIT-JEE. Write a letter to the Director of Surya Coaching Centre asking for more details.

Q3. You are Priya Khanna, librarian of your school, Aligarh. You have been asked to place an order for some books for the school library. Write a letter to the Sales Manager, Light House, Main Road, Noida, placing an order for the books that you need.

Q4. Write a letter to M/s. Captain Sports House, Jalandhar complaining that the items sent by them were not those you had ordered for. Ask for a replacement. You are Varun Joshi, Sector-20, Chandigarh.

Q5. Write a letter to the editor of a national daily urging the new generation to read about the evolution of the English language as you feel today's generation does not care much about correct usage of the English language.

CREATIVE CORNER

Q1) Make a PPT containing 7-8 slides on any of the chapters or poems you have read from your prescribed textbook.

Q2) Watch English news daily in order to equip yourself with the information and facts to be used as content in the writing skills.

Q3) Watch English movies and enrich your vocabulary.

Q4) Write new words along with their synonyms and antonyms on A-4 sheets (At least 50 words).

SRI GURU NANAK PUBLIC SCHOOL

HINDI

HOLIDAY HOMEWORK

CLASS-X

NAME.....

DATE.....

1. पाठ्यपुस्तक के किसी एक पाठ को पढ़कर उसके सार का वर्णन करते हुए एक PPT बनाइए।
2. निम्नलिखित विषयों पर अनुच्छेद लिखिए।
 - भारतीय संस्कृति अनेकता में एकता
 - युवा पीढ़ी पर इंटरनेट का प्रभाव
 - जल संकट निवारण के उपाय
3. पत्र लेखन -
 - प्लास्टिक की चीजों से हो रही हानियों के बारे में समाचार पत्र के संपादक को पत्र लिखकर अपने सुझाव दीजिए।
 - नित्य व्यायाम करने की सलाह देते हुए अपने छोटे भाई और बहन को पत्र लिखिए।

कार्यपत्रक-1

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए तथा उस पर आधारित प्रश्नों के उत्तर दीजिए।

समाज में सर्वाधिक ताकत यदि किसी के पास है तो वह युवा वर्ग के पास है। लेकिन ताकत सदैव अग्नि के समान होती है और अग्नि के दो ही प्राकृतिक रूप विद्यमान हैं - एक रूप तो यह है कि अग्नि जला सकती है। इस कदर जला सकती है कि सारे विश्व को राख के ढेर में बदल दे और दूसरा रूप यह है कि अग्नि प्रकाश दे सकती है। यह इस कदर प्रकाशित कर सकती है कि सारे विश्व का अंधकार समाप्त कर दे। मनुष्य एक बुद्धिमान प्राणी है जो इन दोनों का प्रयोग अपने हित के लिए करना जानता है। यदि रोटी को बिना तवे की सहायता से सेंका जाए तो रोटी सिंक नहीं पाएगी बल्कि जल जाएगी। जिस प्रकार मनुष्य को रोटी बनाने के लिए तवे की ज़रूरत पड़ती

है ठीक उसी प्रकार से ताकत का इस्तेमाल करने के लिए संयम की आवश्यकता होती है | जिस प्रकार तवा रोटी को जलने से बचाता है, रोटी को पकने में मदद करता है, उसी प्रकार संयम ताकत को सही दिशा में प्रयोग करना सिखाता है | सृजन करने में मदद करता है | ताकत का आप जिस दिशा में प्रयोग करेंगे वह उसी दिशा में रंग दिखाएगी किंतु इतना समझ लीजिए कि जिस प्रकार अग्नि को विनाशक बनाना आसान है, सृजनकर्ता बनाना कठिन है, उसी प्रकार ताकत के प्रयोग से विनाश करना आसान है लेकिन निर्माण करना अत्यंत मुश्किल |

(i) समाज का सर्वाधिक शक्तिशाली वर्ग है -

- | | |
|----------------|-----------------|
| (क) पुरुष वर्ग | (ख) किशोर वर्ग |
| (ग) युवा वर्ग | (घ) मज़दूर वर्ग |

(ii) अग्नि के दो रूपों से तात्पर्य है -

- | |
|---|
| (क) राख के ढेर में बदलने वाली, गर्मी वाली |
| (ख) भोजन पकाने वाली, अंधकार को खत्म करने वाली |
| (ग) बलवान और प्रकाश वाली |
| (घ) जलाने वाली और प्रकाश देने वाली |

(iii) ताकत का सही इस्तेमाल करने के लिए आवश्यकता होती है -

- | | |
|-----------------|---------------|
| (क) जल्दबाजी की | (ख) संयम की |
| (ग) समय की | (घ) मनुष्य की |

(iv) ताकत के प्रयोग से आसान नहीं होता है -

- | | |
|------------------|----------------|
| (क) रोटी सेंकना | (ख) साहस करना |
| (ग) निर्माण करना | (घ) विनाश करना |

(v) गद्यांश का उचित शीर्षक होगा -

- | | |
|------------------------|----------------------|
| (क) ताकत का सही प्रयोग | (ख) अग्नि और हम |
| (ग) अग्नि के उपयोग | (घ) साहस भरी ज़िंदगी |

कार्यपत्रक-2

निम्नलिखित प्रश्नों के लिए उचित विकल्प चुनिए |

(i) माली के हाथों में डंडा देखकर राजू के गए | - उपयुक्त मुहावरे से वाक्य पूरा कीजिए |

- | | |
|-----------------|--------------|
| (क) प्राण सूखना | (ख) आग-बबूला |
| (ग) मर मिटना | (घ) भाग जाना |

(ii) दाँतों तले ऊँगली दबाना - मुहावरे का अर्थ है |

- | | |
|----------------|---------------------|
| (क) डर जाना | (ख) शर्मिंदा होना |
| (ग) हैरान होना | (घ) कष्ट अनुभव होना |

(iii) दूसरों पर के बदले अपना काम जल्दी पूरा करो | - उपयुक्त मुहावरे से वाक्य पूरा कीजिए |

- | | |
|-----------------|----------------|
| (क) सिर चढ़ना | (ख) गले लगना |
| (ग) ऊँगली उठाना | (घ) कलंक लगाना |

(iv) अक्ल पर पत्थर पड़ना - मुहावरे का सही अर्थ है |

- | | |
|-----------------|------------------------|
| (क) मूर्ख होना | (ख) बुद्धि भ्रष्ट होना |
| (ग) बुद्धि होना | (घ) प्रतिभावान होना |

(v) कक्षा में प्रथम न आने पर मेरा माथा गया।

- | | |
|-------------|------------|
| (क) ठिनठिना | (ख) झुक |
| (ग) तन | (घ) सिकुड़ |

(vi) पुलिस को आता देखकर चोर हो गए।

- (क) भाग (ख) नौ-दो ग्यारह
 (ग) सकपका (घ) लज्जित
 (vii) भ्रष्टाचार कीकोई नहीं चूक रहा।
 (क) बहती गंगा में हाथ धोना (ख) गंगा में हाथ धोने से
 (ग) गंदी राजनीति में (घ) दलदल में
 (viii) पुत्र के अनुत्तीर्ण होने का समाचार सुनकर पिताजी |
 (क) क्रोधित हो गए (ख) आग-बबूला हो गए
 (ग) जोर से चिल्लाए (घ) रोने लगे

कार्यपत्रक-3

निम्नलिखित पद्यांश को पढ़कर प्रश्नों के सर्वाधिक उपयुक्त विकल्पों का चयन कीजिए -
 ऐसी वाणी बोलिए, मन का आपा खोड़।

अपना तन सीतल करै, औरन कौ सुख होइ ॥

- (i) कवि ने मनुष्य को कैसी वाणी बोलने का संदेश दिया है?
 (क) मीठी(मधुर) (ख) वक्र (ग) सामान्य (घ) सरल
 (ii) मीठी वाणी से दूसरे लोग किसका अनुभव करते हैं?
 (क) सुख का (ख) ज्ञान का (ग) प्रकाश का (घ) अपनापन का
 (iii) प्रस्तुत दोहा (साखी) में प्रयुक्त आपा शब्द का अर्थ क्या है?
 (क) अहंकार (ख) प्राप्त करना (ग) सुध-बुध (घ) अज्ञानता
 (iv) कवि द्वारा किसके शीतल होने की बात कही गई है?
 (क) मन (ख) तन (ग) वाणी (घ) आपा

कार्यपत्रक-4

(i) निम्नलिखित में मिश्र वाक्य है -

- (क) परिश्रम करने वाला कभी खाली नहीं बैठता।
 (ख) जो व्यक्ति परिश्रमी होता है, वह कभी खाली नहीं बैठता।
 (ग) परिश्रमी व्यक्ति खाली नहीं बैठता है।
 (घ) परिश्रमी व्यक्ति खाली बैठना पसंद नहीं करता।

(ii) उसने कुछ नहीं खाया और सो गया। - रचना के आधार पर वाक्य का भेद है -

- (क) सरल वाक्य (ख) मिश्र वाक्य
 (ग) संयुक्त वाक्य (घ) इनमें से कोई नहीं

(iii) निम्नलिखित वाक्यों में से मिश्रित वाक्य है-

- (क) जैसे ही वह घर से बाहर निकले, वैसे ही जोर से धमाका हुआ।
 (ख) वे लोग घर से बाहर निकले और जोर से धमाका हुआ।
 (ग) धमाका होते ही घर से बाहर निकले।
 (घ) उनके घर से निकलते ही जोर से धमाका हुआ।

(iv) वह कौन-सा व्यक्ति है, जिसने जवाहरलाल नेहरू का नाम न सुना हो। - रचना के आधार पर वाक्य का भेद है -

- (क) सरल वाक्य (ख) मिश्र वाक्य
 (ग) संयुक्त वाक्य (घ) इनमें से कोई नहीं

ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਲੇਖ ਲਿਖੋ

*ਵੱਧ ਰਿਹਾ ਫੈਸ਼ਨ

*ਭਾਈ ਵੀਰ ਸਿੰਘ ਜੀ

*ਮਨ ਜੀਤੈ ਜਗੁ ਜੀਤੁ ॥

ਕਿਸੇ ਗਿਆਨਵਰਧਕ ਕਥਨ ਤੇ ਸਲੋਗਨ ਤਿਆਰ ਕਰੋ (ਏ-4 ਪੇਜ ਤੇ ਬਣਾਉਣਾ ਹੈ)

ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਏ ਸਾਰੇ ਕੰਮ ਦੀ ਦੁਹਰਾਈ ਕਰੋ।

Note

ਪ੍ਰੋਜੈਕਟ ਦਾ ਕੰਮ ਅੱਠ ਤੋਂ ਦਸ ਪੰਨੇ

Title page ਮੁੱਖ ਪੰਨਾ

ਮੁੱਖ ਬੰਧ

ਤੱਤਕਰਾ (Index)

ਤਸਵੀਰਾਂ ਦੀ ਮਦਦ ਨਾਲ ਪ੍ਰੋਜੈਕਟ ਦਾ ਵਿਸਤਾਰ

ਕਰੋ।

ਅੰਤਕਾ

ਸਹਾਇਕ ਸਮੱਗਰੀ।

SRI GURU NANAK PUBLIC SCHOOL, ADARSH NAGAR, DELHI

HOLIDAYS HOMEWORK (2023-24)

CLASS X

SUBJECT: MATHEMATICS

GENERAL INSTRUCTIONS:

- Do the Maths Lab Activity on coloured sheets.
- Do the Assignments (given in class) neatly in Maths HW copy.

MATHS LAB ACTIVITY: (To be done on coloured sheets)

- **TOPIC:** COORDINATE GEOMETRY
AIM: To verify the distance formula graphically.
- **TOPIC:** A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
AIM: To find the condition for consistency and inconsistency of a system of linear equations in two variables

B. ASSIGNMENTS OF CH 14 STATISTICS & CH 7 COORDINATE GEOMETRY

C. PRACTICE THOROUGHLY FOR MICRO TEST 1

HOLIDAYS HOME WORK

CLASS : X

SUBJECT - SCIENCE

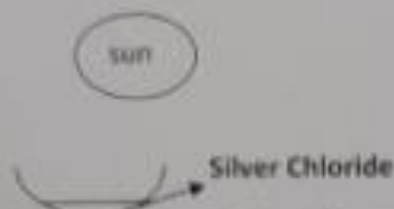
1. Complete all the activities discussed in the class. (PDF SHARED IN CLASS GROUP)
2. Complete the given assignment.

CHEMISTRY ASSIGNMENT

Chapter 1

Chemical reactions and Equations

1. A solution of substance X is used for white washing
 - a) Name the substance X and write its formula
 - b) Write the reaction of substance X named in (a) above with water.
2. What are the characteristics of chemical reactions?
3. Why is respiration considered an exothermic reaction and photosynthesis endothermic reaction?
4. Which one of the following process involves chemical reaction?
 - a) Storing of oxygen gas under pressure in a gas cylinder.
 - b) Keeping petrol in a china dish in the open.
 - c) Heating copper wire in presence of air at high temperature.
5. Write chemical equation for the following reaction. When solid mercury (II) oxide is heated, liquid mercury and oxygen gas are produced.
6. Name the reducing agent in the given reaction
$$3\text{MnO}_2 + 4\text{Al} \longrightarrow 3\text{Mn} + 2\text{Al}_2\text{O}_3$$
7. Name the type of reactions
 - a) $\text{CaO} + \text{H}_2\text{O} \longrightarrow \text{Ca(OH)}_2$
 - b) $\text{BaCl}_2 + \text{Al}_2(\text{SO}_4)_3 \longrightarrow 3\text{BaSO}_4 + 2\text{AlCl}_3$
8. 2g of ferrous sulphide crystals are heated in dry boiling tube.
 - a) List any 2 observations.
 - b) Name the type of chemical reaction taking place.
 - c) Write the chemical equation for the reaction.
9. Write a balanced equation
 - a) Phosphorus burns in presence of chlorine to form phosphorus pentachloride.
 - b) Burning of natural gas.
 - c) Process of respiration
10.
 - a) Explain 2 ways by which food industry prevents rancidity.
 - b) Discuss the importance of decomposition reaction in metal industry.
11. What is meant by skeletal type chemical equation? What does it represent? Using the equations of electrolytic decomposition of water, differentiate between skeletal chemical equation and balance chemical equation.
12. Write a balanced equation for reaction between magnesium and hydrochloric acid. Name the product obtained. Identify the type of reaction.
13. Describe an activity to observe what happens when quick lime is added to water in a beaker. State 2 important observations and name the type of reaction taking place.
14. Why does the colour of copper sulphate solution change when an iron nail is dipped in it? Write 2 observations.
15. Why are the decomposition reaction called the opposite of the combination reaction? Write the equation of the reaction.
16. In the diagram a chemical reaction is taking place, carefully observe and answer the questions based on it.



- a) Identify the type of chemical reaction that will take place.
 - b) Define the type of reaction
 - c) How will the colour of the salt change?
 - d) Write the chemical equation of reaction that takes place.
 - e) Mention the commercial use of this salt.
17. Hydrogen is highly inflammable gas and oxygen is a supporter of combustion, yet water is compound made up of Hydrogen and oxygen is used to extinguish fire, why?
18. A zinc plate was put into solution of copper sulphate kept in a glass container. It was found that blue colour of the solution gets lighter with passage of time. After few days when zinc plate was taken out of the solution number of holes were observed in it.
- a) State the reason for changes observed in the zinc plate.
 - b) Write the chemical equation for the reaction involved.
19. You might have noted when the copper powder is heated in a china dish, the surface of the copper powder gets coated with black colour substance.
- a) How has this black coloured substance formed?
 - b) What is the black substance?
 - c) Write the chemical equation of the reaction that takes place.
20. Multiple choice questions
- A. A reduction reaction involves
- a) Supply of oxygen
 - b) removal of oxygen supply of electrons
 - c) addition of hydrogen
 - d) addition of oxygen only
- B. Which of the following are exothermic reactions?
- i) Reaction of water with quick lime
 - ii) Dilution of acid
 - iii) Evaporation of water
 - iv) Sublimation of camphor
- a) i and ii
 - b) ii and iii
 - c) i and iv
 - d) iii and iv
- C. Which of the following is not a physical change?
- a) Boiling of water to give water vapour
 - b) Melting of ice to water
 - c) dissolution of salt in water
 - d) Combustion of LPG.
- D. Which of the following is true for balanced equations?
- a) Number of atoms is equal on both sides of equation
 - b) Number of atoms less on the left side
 - c) Number of atoms more on right side
 - d) both b and c
- E. Electrolysis of water is decomposition reaction. The mole ratio of hydrogen and oxygen gas liberated during electrolysis of water is
- a) 1:1
 - b) 4:1
 - c) 2:1
 - d) 1:2
21. Answer questions on the basis of your understanding of the following paragraph and the related studied concepts.
- Oxidation and reduction reactions are based on the addition and removal of oxygen or hydrogen. Those reactions which involve simultaneous oxidation and reduction are called redox reactions. Oxidation may be defined as the addition of oxygen to a substance or removal of hydrogen from a substance in a chemical reaction. The substance which either

gives oxygen or removes hydrogen in an oxidation reaction is known as an oxidising agent. Reduction may be defined as the addition of hydrogen to a substance or removal of oxygen from substance. The substance which either gives hydrogen or removes oxygen in reduction reaction is known as reducing agent.

- Write a reaction in which hydrogen peroxide is acting as reducing agent.
- Identify the substance that is oxidised and the substance that can be reduced in following reaction:



- Can a displacement reaction be a redox reaction?
- Why a combustion reaction is an oxidation reaction?

22. Assertion and Reason questions

- If both assertion and reason are true and reason is the correct explanation of assertion.
 - If both assertion and reason are true and reason is not correct explanation of assertion.
 - If assertion is true but the reason is false
 - If assertion and reason are both false
- Assertion: Corrosion of iron is commonly known as rusting.
Reason: Corrosion of iron occurs in presence of moist air.
 - Assertion: Food materials are often packed in air-tight container.
Reason: Oxidation resulting in rancidity is prevented.
 - Assertion: When a mixture of hydrogen and chlorine are placed in sunlight, hydrogen chloride is formed.
Reason: It is example of combustion reaction.
 - Assertion: Respiration is exothermic reaction.
Reason: The glucose combines with oxygen in the cells of our body and provides energy.

SUBJECT: BIOLOGY
TOPIC – LIFE PROCESSES
SUBTOPIC NUTRITION AND RESPIRATION

- Q1. What is meant by nutrition? Why is it necessary for living organisms?
- Q2. What is the difference between autotrophic and heterotrophic nutrition? Give examples.
- Q3. How do living organisms obtain nutrients from their food?
- Q4. What is the role of digestive enzymes in the process of digestion?
- Q5. What are the different stages of digestion? Explain each stage.
- Q6. How is food absorbed in the small intestine?
- Q7. What is the role of villi in the small intestine?
- Q8. What is the difference between aerobic and anaerobic respiration?
- Q9. What is the importance of cellular respiration in living organisms?
- Q10. What is the role of mitochondria in respiration?
- Q11. How do plants breathe? Explain the process of respiration in plants.
- Q12. What is the function of respiratory system in humans?
- Q13. What are the different types of respiratory organs in animals?
- Q14. Explain the mechanism of breathing in humans.
- Q15. What are the different respiratory disorders? Explain each one of them.
- Q16. How is the rate of respiration affected by various factors like temperature and exercise?
- Q17. What is the difference between breathing and respiration?
- Q18. Explain the role of ATP in cellular respiration.
- Q19. How is the energy obtained from food utilized by living organisms?
- Q20. What are the different ways in which living organisms release energy?

PRACTICE ALL DIAGRAMS GIVEN IN NCERT LIFE PROCESSES .DRAW THEM IN BIOLOGY NOTEBOOK

PHYSICS HOLIDAYS HOMEWORK
ASSIGNMENT NO. 1

- Q1. What should be the position of the object when a concave mirror is to be used :**
As a shaving mirror
As a doctor's mirror
- Q2. A man standing in front of a spherical mirror , finds his image having a very small head , a fat body and legs of normal size. What type of mirrors are used in these three parts ?**
- Q3. The angle between an incident ray and the mirror is 40° .**
What is the angle of incidence ?
What is the angle of reflection ?
What is the total angle through which the ray of light turns ?
- Q4. In what way is the word AMBULANCE printed in front of the hospital vans ? Why is it printed this way ?**
- Q5. A student wants to project the image of a candle flame on a screen 80cm in front of a mirror by keeping the candle flame at a distance of 20cm from its pole.**
Which type of mirror should the student use ?
Find the magnification of the image produced.
Find the distance between object and its image.
Draw a ray diagram and mark the distance between object and its image/
- Q6. If the image formed by a mirror for all positions of the object placed in front of it is always erect and diminished, what type of mirror is it ? Draw a ray diagram to justify. Where and why do we use this type of mirror ?**

Q7. An object 2cm high is placed at distance of 16cm from a concave mirror which produces a real image 3cm high.

Find the position of image

What is the focal length of mirror

Q8. A student has focused the image of a candle flame on a white screen using a concave mirror.

Length of flame = 1.5 cm

Focal length of mirror = 12cm

Distance of flame from mirror = 18cm

If the flame is perpendicular to the principal axis of the mirror , then calculate the following :

Distance of image from the mirror

Length of image

If the distance between the mirror and the flame is reduced to 10 cm , then what would be observed on the screen. Draw ray diagram

Q9. Size of image of an object formed by a mirror having a focal length of 20 cm , is observed to be reduced to 1/3rd of its size. At what distance the object has been placed from the mirror ? What is the nature of image and the mirror ?

Q10. A concave mirror of focal length f produces an image n times the size of the object. What would be the object distance for which the image is real ?

Note : Read the assertion (A) and reason (R) carefully and then mark the correct option out of the options given below :

Both (A) and (R) are true and (R) is correct explanation of (A)

Both (A) and (R) are true and (R) is not correct explanation of (A)

A is true but R is false

A is false but R is true

Q11.

Assertion : Image formed by a plane mirror is laterally inverted

Reason : A dentist uses a concave mirror of small focal length while examining the teeth of a patient.

Q12.

Assertion : A ray of light passing through the centre of curvature of a spherical mirror retraces its path after reflection from the mirror.

Reason : A ray of light passing through the centre of curvature of a spherical mirror is incident normally on the surface of the mirror.

Q13.

Assertion : Focal length of a concave mirror having a radius of curvature 40cm is 20cm.

Reason : For a spherical mirror focal length is one-half of its radius of curvature.

Q14.

Assertion : Large sized concave mirrors are used to concentrate thermal radiation in solar furnaces.

Reason : A convex mirror is fitted in automobiles so as to increase the field of view of the vehicle driver.

NOTE : HOLIDAYS HOMEWORK QUESTIONS AND DIAGRAMS WILL BE EVALUATED AFTER THE VACATIONS FOR INTERNAL ASSESMENT MARKS .

CLASS X (2023-24)

(SOCIAL SCIENCE)

HOLIDAY HOMEWORK

PROJECT WORK-CONSUMER AWARENESS

Every student has to undertake project on the topic: **CONSUMER AWARENESS OR SUSTAINABLE DEVELOPMENT**

INTRODUCTION

Any time you go to a store to buy something, you are being a consumer. Any individual who purchases products or services for his personal use and not for manufacturing or resale is called a consumer. Consumer protection is very important to prevent consumers from getting exploited due to factors like

- i. Physical protection of a consumer
- ii. Unfair trade practices
- iii. Protection against environmental hazards
- iv. Protection from deceptive advertising; etc.

Hence, Consumer awareness is the knowledge that a consumer should have about his/her legal rights and duties. It is a must for a consumer to follow these rights. It is implemented for the protection of the consumer, so that the consumer is not exploited by the seller of the products.

Prepare an investigatory report on consumer awareness.

Collect information on the following:

1. Introduction (1 page- history of Consumer Movement in India) Pg 77-78
 2. Forms of Exploitations among consumers
 3. Consumer Rights
 4. Duties of consumer
 5. Standardization marks – (ISI/ AGMARK/FPO)-Paste samples from original products at home. (Check bottles/packets of Shampoo, ketchup, butter, Jam etc.)
 6. Consumer Courts and COPRA
 7. Redressal process of consumer forum/How to file a complaint in Consumer Court
 8. A short paragraph on 'Jago Grahak Jago' supported by one advertisement. (paste/draw)
- NOTE- All the topics should be explained with the help of relevant and clear images.

PROJECT WORK- SUSTAINABLE DEVELOPMENT

INTRODUCTION

Sustainable development means that resources should be utilized organically and without overusing them. Sustainable development aims to use natural resources and the environment to raise the standard of living while preserving future generations' capacity to meet their own needs.

Points to be covered under this Topic:-

1. Definition
2. Four pillars of sustainability:- Human, Social, Economic and Environmental.
3. What are the 5 P's of sustainable development?
4. What are the 17 concepts of sustainable development?

5. What are the three C's of sustainability?
6. What are 4 the three pillars of sustainability?
7. What are the main challenges for sustainability?
8. What is preventing sustainable development?
9. What are the challenges of sustainable development in India?
10. What is 2030 agenda for sustainable development?

GUIDELINES

Guidelines for the Project: 1. The total length of the project must be maximum 15-17 sheets (or 15-17 foolscap pages)

2. The project report must be hand written and not a computerized/digital one.

3. It must be presented in the following order:

a. Cover Page: must contain title, student's detail (full name of the student, class and section, Roll number), school's name and session.

b. Contents: List of contents with page numbers.

c. Acknowledgement: Acknowledging the institution and the persons who helped.

d. Subject Matter/Content: Sub topics with relevant headings.

e. Summary and conclusion.

f. Bibliography: It must have the names of books, websites along with their links from where the content is collected.

g. Photographs and sketches should be labeled.

h. The last page should contain evaluation sheet i.e. Attached evaluation Performa has to be enclosed as the last attachment for purpose of evaluation.

ACKNOWLEDGEMENT

This is to acknowledge all those without whom this project would not have been possible. Firstly, I wish to thank our Social Science teacher _____ who gave her immense support and made us understand how to make this project. Without her guidance and support, this project would not have been completed. I would like to express my special thanks of gratitude to our principal (Name of the principal) who gave me the golden opportunity to do this wonderful project on the topic (Write the topic name), which also helped me in doing a lot of Research and enhance my knowledge in this area. Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame. The subject matter contained in the project has been widely taken from the internet. The statistical data has been extracted from _____.

FULL NAME OF THE STUDENT:-

CLASS & SECTION:-

PROJECT EVALUATION PERFORMA

NAME OF THE SCHOOL: SRI GURU NANAK PUBLIC SCHOOL, ADARSH NAGAR DELHI

NAME OF THE STUDENT: _____

CLASS: X SEC: _____

ROLL NO.: _____

TEACHER'S REMARKS

S.NO	ASPECTS	MARKS
1	Content accuracy, originality and analysis	4
2	Presentation and creativity	4
3	Viva Voce	2

Date of Submission: _____

Overall Remarks: _____

Teacher's Signature: _____

Date: _____

Sample Questionnaire Consumer Awareness Personal Information

1. Name _____
2. Education _____
3. Occupation _____
4. Age _____
5. Sex (M/F) _____
6. Age _____

Consumer Awareness Information

Q1. Do you examine the expiry date of the items you buy? Yes /No

Q2. Do you check the MRP (Maximum Retail Price) before buying a product? Yes /No

Q3. Are you charged the MRP or more than/less than the MRP? Yes /No

Q4. Do you check the weight of the products mentioned on the items? Yes /No

Q5. Have you ever come across adulteration or duplication items? Yes /No

Q6. If yes to question (5), did you complain to: Shopkeeper /Main Supplier /Any Other

Q7. What was the response to your complaint? Satisfactory / Not Satisfactory / No Response

Q8. Are you aware of your rights as consumers? Yes /No

Q9. If you are not satisfied with the price/quality of the products do you realize the need for forming some consumer clubs to fight for your rights? Yes /No

Q10. Are you aware of consumer courts for redressal of grievances of the consumers? Yes /No

Q11. If yes, have you ever filled a case in the consumer court? Yes /No

Q12. If yes to the question (11), was the consumer court able to redress your grievance?
Yes /No

Q13. Do you think media can play an important role in increasing consumer awareness?
Yes /No

Sign of respondent

Sign of enumerator

DO ALL THE ACTIVITY IN OPEN OFFICE WRITER GIVEN BELOW:

Q1. HOW TO USE THE STYLES IN OPEN OFFICE WRITER

1. Write a paragraph on "Dream" and update this paragraph with the style "Text body indent".

• **Heading (Dream):** Font name: Cambria, Size: 24, Color: Red. Give the style name: DreamHeading

• **Paragraph:** Font name: Times New Roman, Size: 16, Color: Auto. Give the style name: DreamBody

• **Numbering:** Font name: Roboto, Size: 16, Color: Auto, Apply Numbering. Give the style name: DreamNumbering

• **Bottom Quote:** Font Name: Broadway, Size: 16, Color: Blue, Alignment: Center. Give the style name: DreamQuote

2. Create a document on "Global Warming". Form the first word of it with different formatting features and add that formatting style into the body of the document using Drag-and-Drop option.

Dream

'Dream' is a word made up of five letters. It has tremendous potential. Dream is the first baby step towards achieving any kind of goal or aim. Dream is like the foundation of a building. It is the base on which you work towards achieving something. As we know, the strength of a building depends on its foundation.

Some reasons why some people cannot achieve their dreams:

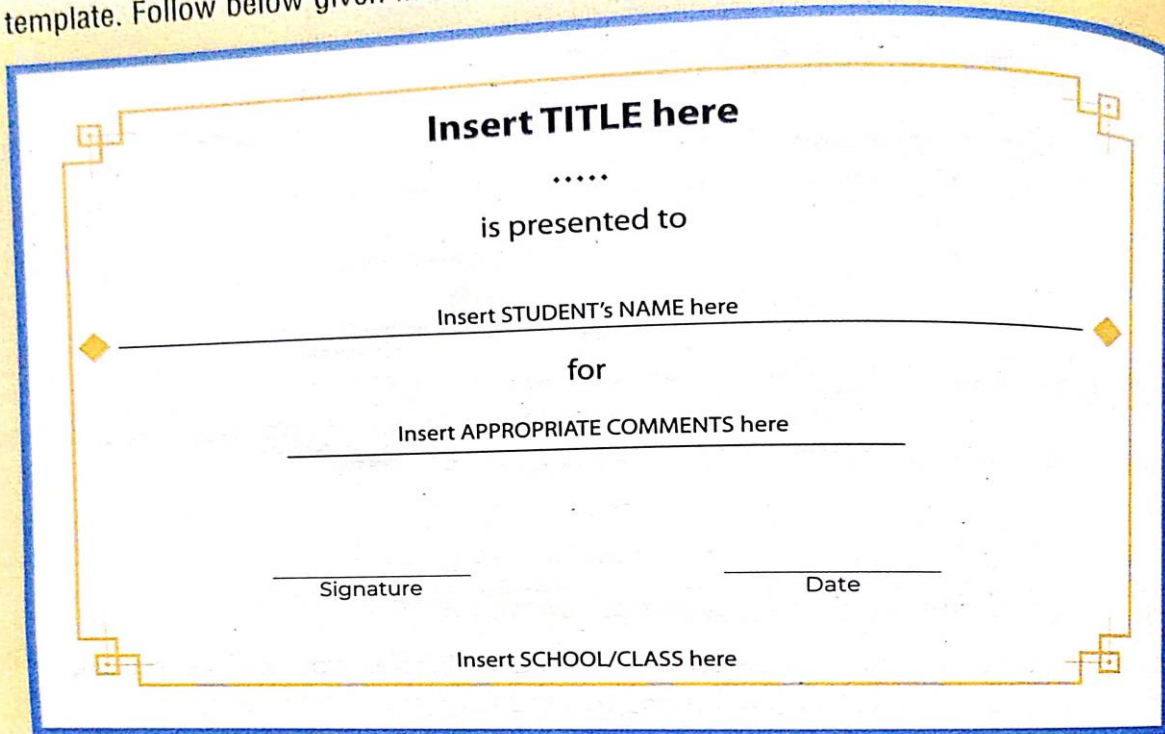
1. People not been appreciated by the others for dreaming
2. People cannot forget past failures and disappointments
3. People do not aim for anything big
4. People do not have the confidence and courage to pursue their dreams
5. Lack of imagination and the power to pursue one's dream

Dream is like the heart of the body

Q2. CREATE A TEMPLATE OF CERTIFICATE IN OPEN OFFICE WRITER GIVEN BELOW

ACTIVITY

1. Create a document that looks like a certificate screenshot given below and save as a template. Follow below given instructions:



- Apply page borders as displayed in the screenshot. Apply border color as per your choice.
 - Page orientation must be landscape.
 - Give your desired formatting for school name, school address and text written in the certificate.
 - Save your file as a template and give the name certificate_template.
2. Open OO Writer and change the default template to custom template using the following formatting:
- *Font:* Verdana, Font Size: 14 pt, Font color: Automatic
 - *Main Headings in the template:* Font – Verdana, Size – 24 pt, Font color – Blue
 - *Heading level 2:* Font – Verdana, Size – 20 pt, Font color – Maroon
 - *Heading level 3:* Font – Verdana, Size – 18 pt, Font color – Red

Now, write a complete article on Generation of Computer Languages and save it. Use the above formatting for different contents of the document.

Q3. CREATE A DOCUMENT IN WRITER ON ANY FIVE ACHIEVEMENTS OF ANDAMAN AND NICOBAR ISLAND. INSERT RELEVANT PICTURES TO EACH FROM FILE.

Q4. USING MAIL MERGE INVITE YOUR FRIENDS FOR THE BIRTHDAY PARTY

ACTIVITY

(A) Creating a formal invite using Mail Merge

1. Type a letter inviting friends and/or family to a party you are hosting. For example, you can host a birthday, graduation, end-of-school or Independence Day party. You pick the event. Your letter will serve as your form letter. Save your letter as Mail Merge Letter.
2. Format the letter as left aligned (block letter) with .5" or 1" margin depending on the length.
3. Make sure your address is listed at the top of the document. Then insert two blank lines and put the date in the month/date/year format. Then enter four blank lines and leave space for your merge fields.

Example:

Title First Name, Last Name

Address 1

Address 2

City, PIN

(Eventually, you will be entering your merge fields to replace this information.)

4. Create a data source with names and addresses of at least five families/friends to whom you wish to mail the letters. Create fields such as Title, First name, Last name, Address1, Address 2, City, State and PIN or make appropriate field names of your choice but make sure you include the address information. Save your data source as Mail Merge data.
5. Now return to your main document (Mail Merge Letter) and set it as the form document and identify your data source.
6. Enter your merge fields into your main document. Merge fields should be used for the recipient's address.
7. After your merge fields are entered, merge the document and save it. Save the merged document as Mail Merge.
8. Create envelopes inserting your merge fields for the recipient's name and address. Save the merged envelopes as Mail Merge Envelopes.
9. Print your form letter, one merged letter and one envelope.

(B) Open the Word Processing software and prepare the following labels:

- Schools to invite parents for annual function
- An Event Management company which wants to send fliers to its clients