



Chand Janmeja

DAV CENT. PUBLIC SCHOOL

(Directly Managed by DAV College Managing Committee, New Delhi)

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Holiday Homework (Session-2023-24)

Class X

ART INTEGRATED LEARNING (As per C.B.S.E. instructions)

STATE ALLOCATED BY C.B.S.E. --- ARUNACHAL PRADESH

INSTRUCTIONS :

- *Class will be divided into groups of 5 to 6 students each.
- *Each group will collaboratively work under the instructions and Rubrics designed by the subject teachers.
- *One student will prepare the allocated task only in one subject.

RUBRICS FOR CLASS – X

APPROPRIATE LANGUAGE	USE OF ICT	AUTHENTICITY OF DATA	INTEGRATE OF ART IN PRESENTATION
5	5	5	5

MAKING OF POWER POINT PRESENTATION IN EVERY SUBJECT

SUBJECT	PAGES	TOPICS FOR PPT
ENGLISH	3	Introduction, acknowledgement & resources.
HINDI	6	प्रस्तावना, आभारव्यक्ति, ग्रंथ सूची लिखते हुए प्रदेश संबंधी भाषा, साहित्य एवं संस्कृति
MATHS	2	Comparison of – 1. Population growth in the past ten years 2. Economical growth in the form of Bar graph/ Pie chart
SCIENCE	4	Technological growth and sources of energy with the help of images and data from authentic websites.
SOCIAL SCIENCE	4	Pictures and data collection * Culture and Religious beliefs, customs, dance, food, art & craft

WRITTEN ASSIGNMENTS

- *ENGLISH - Do the work of describing anyone out of the three proverbs given in your own words, making a poster portraying your thoughts and point of view on the poem, 'A Tiger in the Zoo', reading newspapers, explaining Literary Devices with examples, maintaining a personal diary and revising the work done in the notebooks.
- *HINDI - लेखन खंड – पत्र, अनुच्छेद, ई मेल तथा विज्ञापन व्याकरण की कॉपी में करें।
- *MATHS - Revise the chapter 1,2and 3 and write down the Biography of any one Mathematician
- *SCIENCE - Multiple choice questions (competency based)
- *S.SC - Consumer right Project File.

WORKSHEETS 2023-24

(ENGLISH)

1. Describe any one of the following proverbs in your own words. You should also add pictures to make it creative.

* 'The pen is mightier than the sword'

* 'No pain No gain'

* 'All's well that ends well'

* Use an A-3 size sheet

2. Create your own diary in which you will write daily about any one positive change which you will bring in yourself like being organized or being punctual etc. (80-100 words)

3. Make a poster portraying your thoughts and point of view on: "Love for freedom is the natural instinct of every living being." You may read Leslie Norris's A Tiger in the Zoo for your reference.

4. From the first three poems of your syllabus, highlight the presence of the listed Literary Devices. Explain the Literary Devices and cite suitable examples from selected poems on A4 sheets. Given below is a list of Literary Devices that you can look for in your poems:

-Simile

-Metaphor

-Personification

-Alliteration

-Repetition

-Oxymoron

-Hyperbole

-Allusion

-Apostrophe

-Irony

-Paradox

-Onomatopoeia

Instructions

- The students are directed to read the newspapers and magazines daily and update themselves with current affairs.

- Maintain a personal diary and write two new words with their sentences in your own words.

- Revise the Syllabus of PT-1 thoroughly.

(HINDI)

(1) अनुच्छेद लेखन

युवा पीढ़ी के कर्तव्य

(2) पत्र लेखन अनौपचारिक पत्र

पटाखों से होने वाले प्रदूषण के प्रति ध्यान आकर्षित करते हुए अपने मित्र को पत्र लिखिए।

(3) ई-मेल लेखन

आप रवि कुमार हैं। आपका टेलीफोन 1 सप्ताह से खराब पड़ा है। इससे संबंधित शिकायत करने हेतु भारत संचार निगम लिमिटेड को लगभग 80 शब्दों में ई-मेल लिखिए।

(4) विज्ञापन लेखन

1. पर्यावरण के प्रति जागरूकता बढ़ाने के लिए लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।

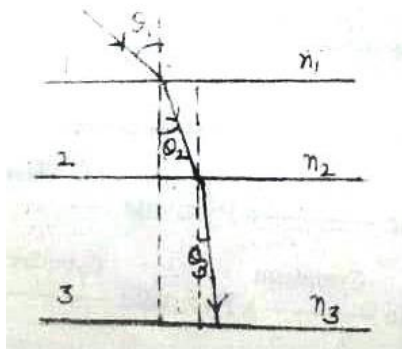
2. देश की जनता को 'मतदान अधिकार' के प्रति जागरूक करने के लिए मुख्य निर्वाचन आयुक्त कार्यालय की ओर से लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।

(SCIENCE)

1) The correct sequence of anaerobic reaction in yeast is :

- a) Glucose $\xrightarrow{\text{Cytoplasm}}$ Pyruvate $\xrightarrow{\text{Mitochondria}}$ Ethanol + CO₂
 b) Glucose $\xrightarrow{\text{Cytoplasm}}$ Pyruvate $\xrightarrow{\text{Cytoplasm}}$ Lactic acid
 c) Glucose $\xrightarrow{\text{Cytoplasm}}$ Pyruvate $\xrightarrow{\text{Mitochondria}}$ Lactic acid + CO₂
 d) Glucose $\xrightarrow{\text{Cytoplasm}}$ Pyruvate $\xrightarrow{\text{Cytoplasm}}$ Ethanol + CO₂

2) In the diagram shown, n_1 , n_2 and n_3 are refractive indices of the media 1, 2 and 3 respectively. Which one of the following is true in the case?



- a) $n_1 = n_2$ b) $n_1 > n_2$ c) $n_2 > n_3$ d) $n_3 > n_1$

3) A light ray is incident on a concave lens. The path of refracted ray is as shown in figure. Draw the path of incident ray.



4) **Assertion (A):** A ray passing through centre of curvature of a concave mirror is reflected back along the same path.

Reason (R): The incident ray falls on the mirror along normal to the reflected surface.

- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).
 b) Both (A) and (R) are correct 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.

5) **Assertion (A):** When light goes from denser to rarer medium normally it bends away from the normal.

Reason (A): The refractive index of denser medium is greater than the refractive index of rarer medium.

- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).
 b) Both (A) and (R) are correct 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.

6) **Assertion (A):** If a silver spoon is kept immersed in blue coloured copper nitrate solution taken in a beaker, the blue colour disappears or faints after some time.

Reason (A): The reaction is which a more reactive element displaces less reactive element from its compound is known as a displacement reaction.

- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).

- b) Both (A) and (R) are correct 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.

7) **Assertion (A):** Concave mirrors are used as make-up mirrors.

Reason (A): When the face is held within the focus of a concave mirror, then a diminished image of the face is seen in the concave mirror.

- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).
 b) Both (A) and (R) are correct 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.

8) **Assertion (A):** Refractive Index has no units.

Reason (R): The refractive index is a ratio of two similar quantities.

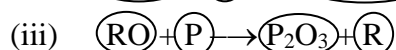
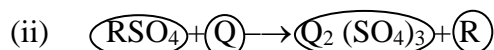
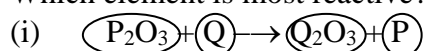
- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).
 b) Both (A) and (R) are correct but (R) is not the correct explanation of (A).
 c) (A) is true but (R) is false. d) (A) is false but (R) is true.

9) **Assertion (A):** All decomposition reactions are generally exothermic reactions.

Reason (R): All decomposition reactions are generally occur with the absorption of heat or light energy.

- a) Both (A) and (R) are correct and (R) is the correct explanation of (A).
 b) Both (A) and (R) are correct 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.

10) P, Q and R are 3 elements which undergo chemical reactions according to the following equations. Which element is most reactive?



- a) Q b) P c) R d) S

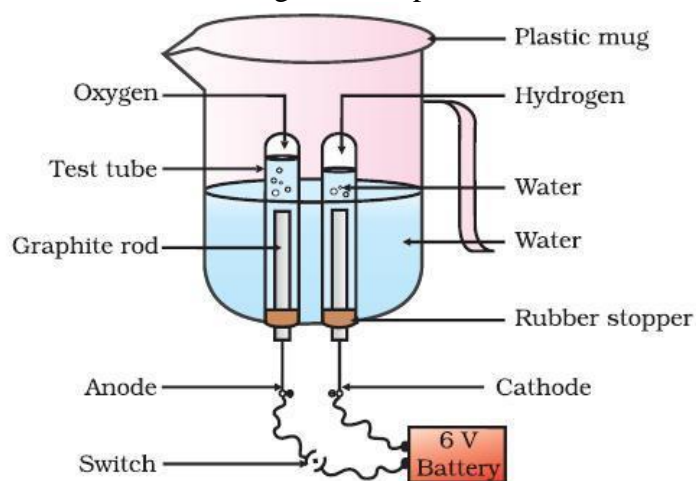
11) A solution of Substance 'X' is used for white washing.

- (i) Name the substance 'X' and write its formula.
 (ii) Write the reaction of the substance 'X' named in (i) with water.

12) Write a balanced chemical with state symbols for the following reactions.

- (i) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and solution of sodium chloride.
 (ii) Potassium metal reacts with water to give potassium hydroxide and hydrogen gas.

13) Identify gas 'A' evolved at cathode in the given set up:



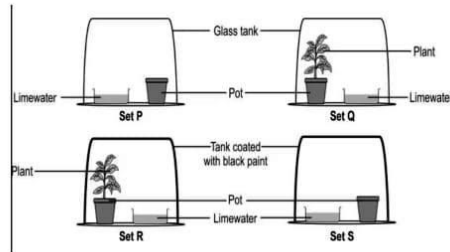
- a) Hydrogen b) Carbondioxide
 c) Oxygen d) Nitrogen

14) Given below are two columns, Column I shows enzymes secreted by the glands in the alimentary canal of human beings and Column II indicates the components of food on which enzymes act. Choose the options showing correct matching:

Column-I Column-II

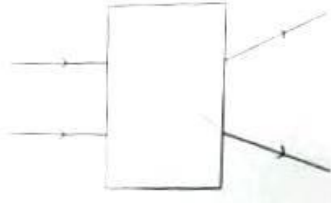
	(Enzymes)	(Component)
(a)	Pepsin	Starch
(b)	Trypsin	Proteins
(c)	Lipase	Proteins
(d)	Amylase	Emulsified fat

- 15) Lime water turns cloudy in the presence of a gas which is a by product of respiration shown below are four setups kept in sunlight for 24 hours.



in which setup is lime water expected to be the cloudiest?

- a) P b) Q c) R d) S
- 16) To obtain a magnification of +2 with a concave mirror of radius curvature 60 cm the object distance must be
a) - 90 cm b) - 45 cm c) - 30 cm d) - 15 cm
- 17) A pencil when dipped in water in a glass tumbler appears to be bent at the interface of air and water. Will the pencil appear to be bent to the same extent, if instead of water we use liquids like, kerosene or turpentine? Support answer with reason.
- 18) The following diagram shows the use of an optical device to perform experiment of light. As per the arrangement shown, the optical device likely to be a :



- a) Concave mirror b) Concave lens
c) Convex mirror d) Convex lens
- 19) An object of height 4 cm is kept at a distance of 30 cm from the pole of a diverging mirror. If the focal length of the mirror is 10 cm, the height of the image formed is:
a) + 3.0 cm b) + 2.5 cm c) + 1.0 cm d) + 0.75 cm
- 20) In which of the following that identification of initial substance remains unchanged?
a) curdling of milk
b) formation of crystals by the process of crystallization
c) fermentation of grapes
d) digestion of food.

(SOCIAL SCIENCE)

Every student has to compulsorily undertake one project on

Consumer Rights

Objectives: The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from an interdisciplinary perspective.

It should also help in enhancing the Life Skills of the students.

Students are expected to apply the Social Science concepts that they have learnt

over the years in order to prepare the project report.

If required, students may go out for collecting data and use different primary and secondary resources to prepare the project.

If possible, various forms of art may be integrated in the project work.

The students need to develop the following competencies:

Collaboration

Use analytical skills

Evaluate the situations during disasters.

Synthesize the information

Find creative solutions

The distribution of marks over different rubrics relating to Project Work is as follows:

a Content accuracy, originality and collaborative skills.	2
b Competencies exhibited and Presentation	2
c Viva	1

History

Worksheet (Nationalism in India)

1. How did the first world war impact India?
2. What is Satyagraha? What qualities should have a person who is performing it?
3. What is Non- Cooperation? How was it practiced in India?
4. Mention the different social groups with their aspirations who took part in the Non-cooperation movement.
5. How did Mahatma Gandhi find salt as a powerful symbol that could unite the Nation? How he organized it?
6. How did the cultural process develop a sense of collective belonging and unite people for achieving common goal of Nationalism?
6. Mention the Satyagraha movements organized by Mahatma Gandhi before starting freedom movement of India.
7. What powers had been given to the Government through Rowlatt Act 1919? How it caused Jallianwalla Bagh incident?
8. What is the Khilafat Movement? How and by whom it was organized in India?
9. Mention the different communities who took part in civil disobedience Movement with their aspirations?
10. Discuss about the limitations of civil disobedience movement.

(Information Technology-402)

Technology is an integral part of our existence today. With computers available to us and all around us, numerous tasks can be simplified and a great deal of efficiency achieved through their optimum and wise use. The holiday homework designed for you is aimed to hone your practical skills and give you valuable real life exposure to working on Digital Documentation (Writer/ Ms-Word) and Green Skills.

Create your e-mail id and send an e-mail to your teacher with an attachment of file having following projects-

Energy Saving Campaign: As we know conserving natural resources and developing green skills is the need of the hour. The United Nations is also driving a world-wide campaign in the form of SDG's to Conserve resources and Generate Green Economy. Let's give our contribution and use our creativity to design a Poster to spread awareness regarding Green Skills.

Instructions:

i. Design a Poster on **any one** of the theme given below:

1. Role of people in Conserving Energy
2. Role of people in Water Conservation.

3. Green Jobs: A Boon or Curse

4. Green Projects in INDIA

ii. Each student will be Designing an individual Poster, depicting the selected theme using Ms-Word or Writer software.
Poster Size: A4 sheets.

NOTE: 1. Write the subject of e-mail in the given format :

Student name- Class Sec- Roll no

2. Following are the e-mail id are-

davsamiksha@gmail.com

davpoonam09@gmail.com

3. Also, submit the hard copy (printout) of the same activities.

FOOD PRODUCTION

Dear students,

**I hope that you have already completed the Food Production file as discussed in earlier class.
Now is the time to add some more activities in your file.**

1. Make a GRAPHICAL ORGANISER on the components of food.
2. Make pictorial presentation on ingredients rich in protein, fat, carbohydrates in three groups.
3. Make a GRAPHICAL ORGANISER on the different methods of cooking.