

DSK DAV PUBLIC SCHOOL, PURULIA
SUMMER HOLIDAY HOMEWORK-2021
CLASS-VII-A

SUBJECT:-ENGLISH.

Literature Section

1. Answers the following questions.

- a. Why did the people in the bazaar follow Tutu?
- b. What did Tutu work with the necklace? How it was recovered?
- c. Write the central idea of the poem “ Birdie, will you pet?” ?
- d. Why does the bird refuse to accept the proposal of the child?
- e. Draw the picture of bird Birdie with your own idea?
- f. Describe how did Swami capture the burglar in the office room at night?

Grammar Section

2.Fill in blanks with suitable Articles.

- a. He is ----- European.
- b. This is----- University.
- c. Cow is ----- Useful animal.
- d. Rana Pratap Singh was ----- One-eyed king.
- e. She has ----- One rupee note.

3. Put a full stop, comma, question mark, exclamation mark in the given sentences.

- a. He is an honest person
- b. What are you doing here
- c. Happy birthday Grandpa
- d. These are pen pencil eraser and cutter
- e. Is there anybody here

Writing Section

- 4. Write a page in your diary expressing your views about visit to a Hill Station.**

5. Prepare a short story with a proper heading about an adventurous journey that you did earlier.

6. Write a letter to one of your best friend informing him/her to take precautions in this Covid pandemic situation.

SUBJECT-Hindi

1. भारतीय महिनों के नाम हिंदी में लिखें।

2. लॉकडाउन जैसी महामारी के काल में स्कूल के बंद हो जाने पर आपने अपनी पढ़ाई किस प्रकार जारी रखी इस पर डायरी लिखें।

3. आपके और आपके मित्र में एक नई पुस्तक को लेकर हुई बातचीत को संवाद के रूप में लिखें।

4. छात्रवृत्ति के लिए प्रधानाध्यापक को पत्र लिखे।

5. मान लीजिए आपके चाचा जी आपके मित्र के पड़ोसी हैं। आपने अपनी मित्र को कुछ सामान अलग अलग लिफाफों में डालकर उन्हें देने के लिए दिया। मित्र द्वारा सामान चाचा जी को पहुंचाने के बाद उसका विवरण देते हुए आपके मित्र और आप में हुई बातचीत को लिखिए।

6. अकल का दुश्मन, पैरो पर कुल्हाड़ी मारना, घी के दिए जलाना, अपने मुंह मियां मिठू, कोल्हू का बैल, ईद का चाँद होना, अंधे की लाठी, आँखें दिखना इत्यादि मुहावरों का अर्थ लिखकर वाक्य में प्रयोग करें।

7. मान, फल, गंध, तंत्र, सन्न, नव इत्यादि शब्दों में उपसर्ग एवं प्रत्यय दोनों जोड़कर नए शब्द बनाए।

8. जय, दिन, शांत, हार, छूत, मल, बल, मार्ग, मरण इत्यादि शब्दों में उपसर्ग जोड़कर नए शब्द बनाएँ।

9. पंचम वर्ण कौन कौन है नाम लिखें।

10. अल्पप्राण और महाप्राण से क्या समझते हैं? दो दो उदाहरण दीजिए।

11. 10 संयुक्त व्यंजन वाले शब्दों को लिखें।

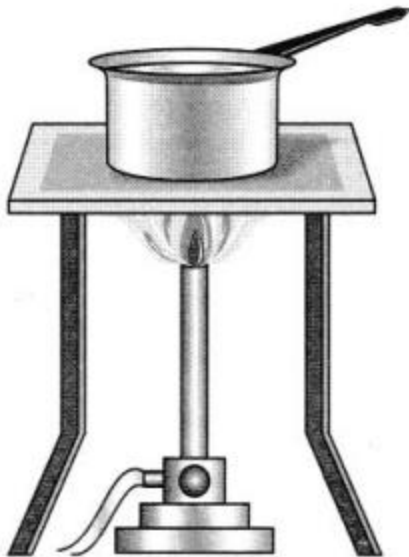
12. मास्क, सैनिटाइजर और एक व्यक्ति से दूसरे व्यक्ति की दूरी क्यों जरूरी है इस पर 100 शब्दों में एक अनुच्छेद लिखें।

SUBJECT-SCIENCE

Subject-Physics, Work Sheet (Heat)

Answer the following questions in short:

1. State similarities and differences between the laboratory thermometer and the clinical thermometer.
2. Give two examples each of conductors and insulators of heat.
3. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing.
4. Look at the figure given below and mark where the heat is being transferred by conduction, by convection and by radiation?



5. In places of hot climate it is advised that the outer walls of houses be painted white. Explain.
6. What is temperature?
7. What is radiation?
8. What is land breeze?
9. How does the heat travel in air? In which direction does the smoke go?
10. You may have noticed that a few jerks are given to a clinical thermometer before using it. Why is it done so?
11. While constructing a house in a coastal area, in which direction should the windows preferably face and why?

B. Fill in the blanks:

1. The hotness of an object is determined by its
2. Temperature of boiling water cannot be measured by a thermometer.
3. Temperature is measured in degree
4. No medium is required for transfer of heat by the process of

5. A cold steel spoon is dipped in a cup of hot milk. It transfers heat to its other end by the process of

6. Clothes of colours absorb heat better than clothes of light colours.

C. Match the following:

'A'	'B'
1. Land breeze blows during	a. summer
2. Sea breeze blows during	b. winter
3. Dark coloured clothes are preferred during	c. day
4. Light coloured clothes are preferred during	d. night

D. Tick (œ) the correct option:

1. One litre of water at 30°C is mixed with one litre of water at 50°C. The temperature of the mixture will be:

- (a) 80°C
- (b) more than 50°C but less than 80°C
- (c) 20°C
- (d) between 30°C and 50°C

2. An iron ball at 40°C is dropped in a mug containing water at 40°C. The heat will:

- (a) flow from iron ball to water.
- (b) not flow from iron ball to water or from water to iron ball.
- (c) flow from water to iron ball.
- (d) increase the temperature of both.

3. A wooden spoon is dipped in a cup of ice cream. Its other end:

- (a) becomes cold by the process of conduction.
- (b) becomes cold by the process of convection.

(c) becomes cold by the process of radiation.

(d) does not become cold.

4. Stainless steel pans are usually provided with copper bottoms. The reason for this could be that:

(a) copper bottom makes the pan more durable.

(b) such pans appear colourful.

(c) copper is a better conductor of heat than the stainless steel.

(d) copper is easier to clean than the stainless steel.

E. State 'True' or 'False':

1. Wool is a good conductor of heat.

2. Molecular movement takes place during convection.

3. Heat is measured in degree Celsius.

4. For radiation, no medium is required.

F. Go to a doctor or your nearest health centre. Observe the doctor taking temperature of patients. Enquire:

(a) why she dips the thermometer in a liquid before use.

(b) why the thermometer is kept under the tongue.

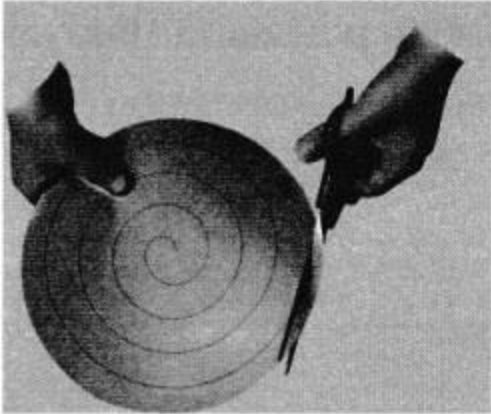
(c) whether the body temperature can be measured by keeping the thermometer at some place other than the mouth.

(d) whether the temperature of different parts of the body is the same or different. You can add more questions which come to your mind.

G. Go to a veterinary doctor (a doctor who treats animals). Discuss and find out the normal temperature of domestic animals and birds.

H. Wrap a thin paper strip tightly around an iron rod. Try to burn the paper with candle while rotating the iron rod continuously. Does it burn? Explain your observation.

I. Take a sheet of paper. Draw a spiral on it as shown in the Fig. given below. Cut out the paper along the line. Suspend the paper as shown in Fig. above a lighted candle. Observe what happens. Think of an explanation:



J. Mark the objects given in the table as hot or cold:

S. No.	Object	Cold/Cool	Warm/Hot
1.	Ice cream		
2.	Spoon in a tea cup		
3.	Fruit juice		
4.	Handle of a frying pan		
5.	Snow		
6.	Candle flame		

SUBJECT-CHEMISTRY

A. Fill in the blanks-

1. The chemical formula of carbon dioxide is
2. Iron gets rusted on coming in contact with and
3. In a neutralization reaction andare formed.
4. The chemical formula of water is
5. Acids which are present in plants and animals are called
6. Acids turns the colour of blue litmus paper to
7. Salts of nitric acid are named as
8. Bases tasteand have afeel.
9. An example of neutral indicator is
10. Salts of sulphuric acid are named as

B. Answer the following questions—

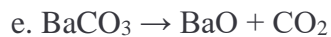
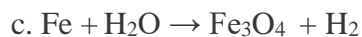
1. What are mineral acids?
2. Give any two properties of salts.
3. Name any two substances that can be used as indicators.
4. Give the chemical symbol of iron and chlorine.
5. What does a chemical equation represent?
6. What are reactants and products in a chemical reaction?
7. What are alkalis?
8. Name any two substances that can be used as indicators.
9. What are concentrated and dilute acids?
10. What is the symbol of copper?

C. Answer the following questions-

1. Write the chemical formula of the following-

Aluminum oxide, zinc phosphate, ammonium sulphate, calcium acetate, sodium carbonate, magnesium nitrate

2. Balance and classify the following reactions into different types-



3. Classify the following salts as neutral, acidic or basic-

Na_3PO_3 , K_2CO_3 , NH_4NO_3 , NaCl

4. Write chemical equations for the following reactions-

a. Calcium hydroxide reacts with nitric acid.

b. acetic acid reacts with calcium hydroxide

c. Hydrochloric acid reacts calcium hydroxide

d. Ammonium hydroxide reacts with sulphuric acid.

D. Describe an activity to show that solution of salts, in water can conduct electricity.

E. Make a table for different sources of organic acids.

F. Take two natural indicators and identify the acids or basic substances which we used as domestic purpose. (click the picture)

SUBJECT-BIOLOGY

1. Make a flowchart of the classification of the 'modes of nutrition'.
2. Define the following terms
 - a) Autotrophic Nutrition
 - b) Heterotrophic nutrition
 - c) Saprotrophic nutrition
 - d) Parasitic nutrition
 - e) Holozoic nutrition
3. What is Photosynthesis? Give the chemical equation of photosynthesis. Mention its significance. What are the materials required for photosynthesis?
4. What is Symbiosis? Give examples and explain the phenomenon?
5. Insectivorous plants show modification in their body parts to trap insects. Why they need to trap insects, explain the fact elaborately.
6. How are nutrients replenished in the soil with the help of a flow chart?
7. Mention the food habits of animals. Define each type of food habit with suitable examples.
8. Draw the diagram of human digestive system with suitable colours and label its various parts.

SUBJECT- MATHEMATICS

Solve the following as directed.

1. Add the following pairs of rational numbers:

(i) $\frac{3}{11}, \frac{-5}{11}$ (ii) $\frac{4}{9}, \frac{5}{-9}$ (iii) $\frac{5}{-7}, \frac{-2}{-7}$ (iv) $\frac{-2}{5}, \frac{3}{4}$.

2. Find the sum:

(i) $\frac{-7}{5} + \frac{(-2)}{3}$ (ii) $\frac{-8}{19} + \frac{(-2)}{57}$ (iii) $\frac{-3}{-11} + \frac{5}{9}$ (iv) $-2\frac{1}{3} + 4\frac{3}{5}$.

3. Find the sum:

(i) $\frac{27}{-4} + \frac{-15}{8}$ (ii) $\frac{-1}{18} + \frac{-3}{8}$ (iii) $-3\frac{1}{6} + 2\frac{3}{8}$ (iv) $-2\frac{4}{5} + 4\frac{3}{10}$.

4. Subtract:

(i) $\frac{-6}{13}$ from $\frac{4}{13}$ (ii) $\frac{-1}{2}$ from $\frac{-2}{3}$ (iii) $\frac{5}{9}$ from $\frac{-2}{3}$.

5. Find:

(i) $\frac{5}{63} - \frac{(-6)}{21}$ (ii) $\frac{-6}{13} - \frac{(-7)}{15}$ (iii) $-2\frac{1}{9} - 6$ (iv) $3\frac{1}{8} - (-1\frac{5}{6})$.

6. The sum of two rational numbers is $\frac{2}{5}$. If one of them is $\frac{-4}{7}$, find the other.

7. What rational number should be added to $\frac{-5}{12}$ to get $\frac{-7}{8}$?

8. What rational number should be subtracted from $\frac{-2}{3}$ to get $\frac{-5}{6}$?

9. What rational number should be subtracted from $\frac{-5}{19}$ to get -2 ?

10. Find the product:

(i) $\frac{2}{3} \times \frac{-7}{8}$ (ii) $\frac{-6}{7} \times \frac{5}{7}$ (iii) $\frac{-2}{9} \times (-5)$ (iv) $\frac{9}{2} \times \frac{(-7)}{4}$

(v) $\frac{-5}{11} \times \frac{11}{-5}$ (vi) $\frac{8}{35} \times \frac{21}{-32}$ (vii) $\frac{-105}{128} \times (-1\frac{29}{35})$ (viii) $(-5\frac{1}{3}) \times (1\frac{7}{8})$.

11. Find the value of:

(i) $(-4) \div \frac{2}{3}$ (ii) $\frac{-3}{5} \div 2$ (iii) $\frac{-4}{5} \div (-3)$ (iv) $\frac{-1}{8} \div \frac{3}{4}$

(v) $\frac{-2}{13} \div \frac{1}{7}$ (vi) $\frac{-7}{12} \div \frac{-2}{13}$ (vii) $\frac{3}{13} \div \frac{(-4)}{65}$ (viii) $3\frac{1}{17} \div \frac{(-33)}{34}$.

12. The product of two rational numbers is $\frac{-11}{2}$. If one of them is $\frac{33}{8}$, find the other.

13. The product of two rational numbers is $\frac{18}{35}$. If one of them is $\frac{-2}{5}$, find the other.

(xii) Between two distinct rational numbers, we can always insert a rational number.

(xiii) There exists atleast one integer between two different rational numbers.

(xiv) The reciprocal of $2\frac{6}{7}$ is $\frac{-7}{20}$.

(xv) $0 - \frac{5}{8} = \frac{5}{8}$.

(xvi) $\frac{-5}{0} \div 0 = 0$.

ACTIVITIES

1. Make a protector by paper folding.
2. Represent various number systems by making foldables.

Video link for help

<https://youtu.be/3grPhxGm-ZM>

<https://youtu.be/yjtBPUuiDcl>

SUBJECT- SOCIAL SCIENCE

GEOGRAPHY

1. Write the differences between Lithosphere and Hydrosphere.
2. Why is earth called as blue planet?
3. Write the differences between SIAL and SIMA.

Assignment-

Topic- External forces of Earth and evolution of landforms by them.

HISTORY-

1. What are the major sources of medieval period.
2. Write any five features of Rastrakuta empire.

CIVICS-

1. Define Constitution and preamble.
2. Write the features of Right to equality.
3. Justify the role of opposition party in a Democratic country.

SUBJECT - BENGALI

১. তোমাদের পাঠ্যবইয়ের অন্তর্গত সিদ্ধার্থের করুণা কবিতাটি পড়ে তোমরা কি শিক্ষা লাভ করলে তা নিজের ভাষায় বর্ণনা করো।
২. রাজদ্রোহী গল্পের রচনাকার শরৎচন্দ্র চট্টোপাধ্যায়ের জীবনী সম্পর্কে আলোচনা করো। চিত্রসহ। (১৫০ শব্দের মধ্যে)
৩. প্রতিনিয়ত বেড়ে চলেছে পরিবেশ দূষণের মাত্রা। এই সংকটময় অবস্থায় আমরা কিভাবে পরিবেশ রক্ষা করতে পারি সেই বিষয়ে আলোচনা করে তোমার বন্ধুকে একটি পত্র লেখ।
৪. নিজের ভাষায় একটি গল্প অথবা কবিতা রচনা করো। অন্য কোন কবির বা গল্পকারের কবিতা বা গল্পের থেকে সাহায্য নিতে পারো কিন্তু সেই গল্প বা কবিতার হুবহু অনুকরণ করা চলবে না।

SANSKRIT

1. भवन्तः अपठन् यत् वृक्षाः सदैव प्राणिनाम् उपकारं कुर्वन्ति। एतेषां रक्षणे एव अस्माकं जीवनस्य रक्षणम्। अतः भवन्तः वृक्षाणाम् रक्षणाय किं किं कुर्वन्ति?
2. वृक्षाः अस्मभ्यं यान् पदार्थान् यच्छन्ति पुस्तिकायां तेषां नामानि लिखित्वा सङ्ग्रहं कुर्वन्तु।
3. भवन्तः पौष्टिक-भोजनस्य विषये अपठन्। अधुना लिखन्तु भवन्तः पौष्टिक-भोजने किं किं खादन्ति?
4. अधः प्रदत्तस्थाने पौष्टिक-भोजनस्य तालिकायाः निर्माणं कृत्वा लिखन्तु वदन्तु च यत् कस्मिन् भोज्यपदार्थे कानि तत्त्वानि भवन्ति।

5. स्थूलपदस्य स्थाने समुचितं प्रश्नवाचकपदं चित्वा प्रश्ननिर्माणं कुर्वन्तु-

सिंहः बलवान् आसीत्। _____	(कौ/कः/के)
पशवः सिंहात् भीताः आसन्। _____	(कस्याः/कस्मात्/केभ्यः)
पशवः गुहासु वसन्ति स्म। _____	(के/ काः/कः)
सिंहः गुहायाः समीपम् आगच्छत्। _____	(कः/का/के)

6. एतेषां प्रश्नानाम् उत्तराणि एकपदेन वदन्तु लिखन्तु च-

- i. कः वनस्य राजा आसीत्?
- ii. पशवः कस्मात् भीताः आसन्?
- iii. सिंहः कान् मारयति स्म?
- iv. पशवः कुत्र वसन्ति स्म?
- v. कः बुभुक्षितः आसीत्?

7. स्थूलपदस्य स्थाने समुचितं प्रश्नवाचकं पदं चित्वा प्रश्ननिर्माणं कुर्वन्तु-

- i. छात्रः मूर्खः आसीत्। (कः/किम्/का)

- ii. छात्रः कूपम् अपश्यत्। (कम्/कः/केन)
- iii. छात्रः मातरम् अपृच्छत्। (कस्य/काम्/किम्)
- iv. घटस्य अघः एकः गर्तः आसीत्। (कस्मिन्/किम्/कस्य)

SUBJECT: ICT

1. Describe the various generations of computer?
2. What is animation?
3. Describe the various block in scratch.

SUBJECT- G.K

Revise the portions from Page number-11 to 20.

Subject - धर्म शिक्षा

१. रिक्त स्थानों की पूर्तम किं।

- क) इन सब र्में ज्योत तेिी ईक _____ िही है ।
- ख) र्ाया तुम्हािी _____ हर्को भर्ा िही है।
- ग) जो हर्ािे _____ हो वह व्यवहाि हर्ेेँ दूसिों के साथ नहीं किना चाहहए।
- घ) सब कार् _____ अथामत सत्य औ असत्य को कि किने चाहहए।
- ड) व्यायार् किने का सबसे अच्छा सर्य _____ है।

२. नर्मनशिखखत प्रश्नों के उत्ति शिखखए।

- क) भक्ती ने भगवान से क्या ववनय की है?
- ख) वे कौन से गुण है जजनके कािण व्यजक्त को धाशर्मक कहा जा सकता है?
- ग) आयम सर्ाज के चौथे नर्यर् की व्याख्या किं।

- घ) उन्नर्त ककतने प्रकाि की होती है?
- ड) क्या सर्ज़ जाने पि आपस की फूट औ घृना दूि हो सकती है?
- च) युद्ध औ अन्याय से बचाने के शिए क्या शसखाना आवश्यक है?
- छ) व्यायार् किने का उचचत सर्य कौन सा ह