

KERALA PUBLIC SCHOOLS
ACADEMIC YEAR 2020-21
HOME ASSIGNMENT



CLASS:VII

DATE: 17.08.2020 to 02.09.2020

SUBJECT	ASSIGNMENT
MATHS	<p>REVISION QUESTION PAPER SUB : MATHS</p> <p>I. MULTIPLE CHOICE QUESTIONS:-</p> <p>i) $(-6) \times (\dots) = 6$</p> <p>a) 1 b) -1 c) 0 d) -6</p> <p>ii) $3 \times 4 \times (-5) = ?$</p> <p>a) 60 b) -60 c) 40 d) -30</p> <p>iii) Reciprocal of $\frac{3}{7}$ is ?</p> <p>a) $-\frac{3}{7}$ b) 1 c) $-\frac{7}{3}$ d) $\frac{7}{3}$</p> <p>iv) $-\frac{32}{40}$ in standard form is ?</p> <p>a) $-\frac{2}{5}$ b) $-\frac{4}{5}$ c) $\frac{2}{5}$ d) $\frac{4}{5}$</p> <p>v) Natural numbers along with 0 are called?</p> <p>a) Fractions b) Whole numbers c) Integers d) Rational numbers.</p> <p>II. SHORT ANSWER QUESTIONS:-</p> <p>i) Simplify $(-8) \times 9 + (-8) \times 7$</p> <p>ii) Find the difference of $(\frac{5}{7}) - (\frac{2}{7})$</p> <p>iii) Find $\frac{11}{14}$ of 63</p> <p>iv) Solve :- $-\frac{9}{5} = \dots / 20 = \frac{27}{\dots}$</p> <p>v) Write two equivalent rational numbers of $\frac{3}{4}$.</p> <p>III. LONG ANSWER QUESTIONS:-</p> <p>i) The sum of two integers is 93. If one of them is -59, the other one is .</p> <p>ii) What must be subtracted from -3 to get -9 ?</p> <p>iii) The cost of $5 \frac{1}{4}$ kg of mangoes is Rs 231. At what rate per kg are the mangoes being sold?</p> <p>iv) By what number should $1 \frac{3}{4}$ be divided to get $2 \frac{1}{2}$?</p> <p>v) Find five rational numbers between $-\frac{3}{5}$ and $-\frac{1}{2}$.</p> <p>vi) Rahul walks $\frac{2}{3}$ km from a place P towards east and then from there $1 \frac{5}{6}$ km towards west. What is his position now from P?</p> <p>vii) A bus is moving at an average speed of $46 \frac{2}{3}$ km/h. How much distance will it cover in $2 \frac{2}{5}$ hours?</p> <p>viii) 24 litres of milk was distributed equally among all the students of a hostel. If each student got $\frac{2}{5}$ litre of milk, how many students are there in the hostel?</p> <p>ix) At a charity show the price of each ticket was Rs $32 \frac{1}{2}$. The total amount collected by a boy was Rs $877 \frac{1}{2}$. How many tickets were sold by him?</p>

	<p>x) The difference of an integer p and -8 is 3. Find the value of p.</p>
<p>SCIENCE</p>	<p>Revision for midterm</p> <p>Ch- 2 Nutrition in animals Ch- 4 Heat Ch- 5 Acids, Bases and Salts</p> <p>A. Answer in one word</p> <ol style="list-style-type: none"> 1. False feet of amoeba that engulfs the food particles. Ans. 2. The process of taking in food. Ans. 3. Largest gland in the human body. Ans. 4. Branch of medicine focused on studying and treating the digestive system disorders. Ans. 5. Chewing of cud. Ans. 6. Device used to measure our body temperature. Ans. 7. Normal temperature of human body. Ans. 8. Mode of transfer of heat in solids. Ans. 9. Materials which allow heat to flow through them easily. Ans. 10. Convection current from sea to the land. Ans. 11. Organic acid present in Apple. Ans. 12. Naturally occurring acids produced by plants and animals. Ans. 13. Substances used to test the chemical nature of a substance. Ans. 14. Example of a synthetic indicator. Ans. 15. Reaction in which heat is absorbed. Ans. <p>B. Short answer type question</p> <ol style="list-style-type: none"> 1. What do you mean by neutralization reaction? Give example. 2. How does a Litmus detect acidic and basic solution?

3. What kind of clothes do we wear in summer and why?
4. Describe the mode of transfer of heat in liquids?
5. Differentiate between insulators and conductors.
6. Mercury used as thermometric liquid. Justify.
7. What is plaque?
8. What is villi and what is its function?
9. Enlist the main steps of nutrition in human beings.
10. Write down the main function of tongue.

C. Give reason:

1. Herbivorous are having broad incisors whereas carnivores have long canines.
2. Cow and buffaloes are always masticating.
3. A kink is present in a clinical thermometer.
4. Air conditioners are fixed near the ceilings.
5. Cooking utensils are made up of metal whereas their handles are made up of non metals.
6. We use Eno when we suffer from acidity.
7. Baking soda is rubbed over the skin when a bee stings.
8. Desert cooler throws cool air.

D. Long answer type questions

1. Sometime soil becomes to acidic or basic due to to excess use of of fertilizers. How such soil can be treated?
2. Describe the process of neutralisation with the help of an example.
3. Describe different modes of heat transfer?
4. Why is heat transfer by convection possible only in liquids and gases. How are land breeze and sea breeze caused?
5. Explain the five steps involved in the process of nutrition in animals.
6. What happens to the food we eat:
i) in stomach

	<p>ii) in small intestine iii) in mouth.</p> <p>E. Activity based questions:</p> <ol style="list-style-type: none"> 1. Write down the activity to observe the effect of saliva on food. 2. Show by a simple experiment that black bodies are good heat absorber than white body. 3. Describe an activity to test the effect of acidic and basic solution on Litmus Paper. <p>F. Draw the diagram of:</p> <ol style="list-style-type: none"> 1. Digestive system in human 2. Nutrition in amoeba. 3. A clinical thermometer. 4. Digestive system of a ruminant.
<p>HINDI</p>	<p>PORTION : हिन्दी भाषा लेखन – पत्र लेखन, अनुच्छेद लेखन, विज्ञापन लेखन</p> <p>1. पत्र लेखन :</p> <p>औपचारिक पत्र – विद्यालय में खेलकूद सामग्री उपलब्ध कराने हेतु प्रधानाचार्या को पत्र लिखें I (PG – 158) अनौपचारिक पत्र – मनपसंद पुस्तकें खरीदने के लिए पिताजी को पैसे भेजने का अनुरोध करते हुए पत्र लिखें I (PG – 162)</p> <p>2. अनुच्छेद लेखन : (PG – 166)</p> <p>क) एक और एक ग्यारह ख) यदि मैं चिड़िया होती</p> <p>3. विज्ञापन लेखन : (PG – 152)</p> <p>उदाहरण : पेंसिल बेचने के लिए विज्ञापन लिखें I</p>



प्रश्न : कपड़े धोने के साबुन के लिए एक विज्ञापन तैयार करें।
(विज्ञापन चित्रों के आधार पर होना चाहिए)

ENGLISH

Chap- 28. Letter Writing

Types of letter Writing

1. Informal/Personal letters-

2. Formal/ Official letters

Example of an Informal Letter:-

1. Inviting a Friend on Marriage

Write a letter to your friend for inviting him on the marriage ceremony of your brother.

Answer:

27, Sector – 15,

Delhi

20 June, 2016

15, ABC Colony,

Delhi

Sub : Marriage invitation

Dear Friend

How are you ? You will be glad to know that my younger brother Mohan's marriage is taking place on 30th of this month. My would be sister-in-law is a government teacher. The name of her school is Govt. Sr. Sec. School, Panipat. As you know we have invited very few persons and you are one of them. Try to reach two days before the marriage. I assure you that we will have a very nice time throughout the wedding celebrations.

Please give your family members my regards and invitation.

Yours affectionately

Mohan

*** Examples of a Formal Letter**

Imagine yourself to be Varsha/Yash of Std 7, who wants to write a letter to the Principal of your school, asking permission to remain absent from school for 2 days on account of your sister's marriage.

The Principal
Kerala Public School,
Burmamines
Jamshedpur-831004

15th August 2020
Sub-Requesting for grant of leave for two days

Respected Ma'am

I am Varsha from Class VII-B and I am writing this letter to inform you that I will remain absent for the next 2 days on account of my sister's marriage.

The wedding ceremony will begin on 24th August and end on 25th August 2020, as a younger sister, my presence at the wedding ceremony is unavoidable. As a sister, I have many duties to perform. I am responsible to look after the arrangements for the wedding ceremony.

So, I kindly request you to grant me 2 days holiday that is on 24th and 25th of August. The wedding card is attached herewith as a perusal.

Thanking you.
Yours Sincerely,
Varsha

Example no.2-

Write a letter to the mayor of your city complaining and seeking solution to the water logging problem in your area.

The Green Apartments
Camac Street
Kolkata

15th August 2020

The Mayor
Kolkata Municipal Corporation
Kolkata 15

Subject: Water logging on our roads during monsoon

Sir

I am writing this letter to bring to your kind notice the issue of poor drainage in our area, which causes much inconvenience to the residents. The problems of the residents have become exceedingly serious. The entire city was flooded. Our colony was no exception. You will be shocked to know even after almost a month of the rainfall, the rainwater has not been drained. The simple reason behind this flooding of the city roads is poor drainage system. The high areas

are clear and clean. The rain water has been drained from there. The problem is with the low areas, where the drainage system has been faulty.

The stagnated water has been causing serious health issues like malaria and dengue apart from stink and travelling problems and mishaps. We have written many letters requesting repairing of the drainage system. The apathy of the concerned officer is outrageously shocking. I appeal to your excellency to look into the matter and expedite the corrective and preventive measures for the affected residents. Looking forward to prompt action.

Yours truly/faithfully/sincerely
Sunil Sharma

Home assignment:- Pg no. 190, exercise A- Question no.4, 8 & pg. No. 193, Question no.11(Do it in your fair note book)

Note:-

- * Use a blue gel pen for writing**
- *Do not use a black pen for writing the heading/topic**
- *Write neatly in cursive handwriting**
- *Draw the margin in each page**
- *Mention the date**

Sub: English Language

Chapter 10- Sentences- Simple, compound or complex sentence

A simple sentence consists of just one clause.

A complex sentence consists of one independent clause and one or more dependent (subordinate) clauses.

A compound sentence consists of two or more coordinate (independent) clauses.

Read the following sentences and state whether they are simple, complex or compound.

Exercise

1. We were playing in the garden when the guests arrived.
2. She put on her coat and went out.
3. I can't figure out what he wants.
4. You don't look happy to see me.
5. The cat saw the puppies playing in the garden.
6. She leaned out of the window.
7. You shouldn't have done this to me.
8. They tried very hard but they couldn't win the match.
9. Who let the cat in?
10. Although it was raining, we went for a walk.

Answers

1. We were playing in the garden when the guests arrived. (Complex sentence)
2. She put on her coat and went out. (Compound sentence)

3. I can't figure out what he wants. (Complex sentence)
4. You don't look happy to see me. (Simple sentence)
5. The cat saw the puppies playing in the garden. (Simple sentence)
6. She leaned out of the window. (Simple sentence)
7. You shouldn't have done this to me. (Simple sentence)
8. They tried very hard but they couldn't win the match. (Compound sentence)
9. Who let the cat in? (Simple sentence)
10. Although it was raining, we went for a walk. (Complex sentence)

Note:- Do the exercise on page no. 81 in your fair notebooks.

**SOCIAL
STUDIES**

Geography ch-4:- AIR

- **Read the chapter and underline the difficult words and find their meanings.**
- **Do the Quick Revision- 1 & 2 in your book..**
- **Tick the correct option:-only answer**
 1. Atmosphere
 2. Gravitational
 3. Nitrogen
 4. Thermosphere
 5. Stratopause
- **Fill in the blanks:-**
 1. Ozone
 2. Oxygen
 3. Nitrogen
 4. Weather
 5. Troposphere
- **True and false:-**
 1. True
 2. True
 3. False
 4. True
 5. True
- **Short Answers questions:-**
 1. What is atmosphere?

Ans. The blanket of air which surrounds the world is called atmosphere.
 2. Which two gases make the bulk of the atmosphere?

Ans. The two gases are nitrogen and oxygen.
 3. What is humidity?

Ans. **Humidity** is the amount of water vapor in the **air**.
 4. What is pause?

	<p>Ans. Each layer has a zone of marked change in composition and temperature called pause.</p> <p>5. What do you understand by insolation?</p> <p>Ans. Insolation is an important factor that influences the distribution of temperature. It is the incoming solar energy intercepted by the earth in a given period of time.</p> <p>• <u>Long answer questions:-</u></p> <p>1. Write about the composition of atmosphere?</p> <p>Ans. The Earth's atmosphere is made up of a mixture of gases. These gases are Nitrogen 78% of the atmosphere, whereas Oxygen constitutes 21% of the atmosphere. The remaining gases are water vapour, Carbon dioxide 0.03%, argon 0.93%, other gases 0.04% - helium, krypton, xenon and ozone.</p> <p>2. Differentiate between weather and climate?</p> <p>Ans. Answer is given in page 207 in table form. Write the complete 4 points.</p> <p>3. Explain the different types of wind?</p> <p>Ans. Winds are of three types- permanent winds, seasonal winds and local winds. Permanent winds blow continuously in a specific direction throughout the year. The trade winds, the westerlies and the polar easterlies are permanent winds.</p> <p>Seasonal winds- when there is a change in seasons, these winds also change the directions. For example, the monsoon winds or the winter winds.</p> <p>Local winds- These types of winds only blow during a specific period of the day or during a specific period of a year. For example, the land and the sea breeze. Loo is also an example of such type of wind.</p> <p>4. In what ways is atmosphere important to us?</p> <p>Ans. Answer is given in page number 206 above quick revision-1. Write all the five points of importance of atmosphere.</p> <p>5. Short note on air pressure?</p> <p>Ans. The pressure exerted by the weight of air on the earth's surface is known as Air pressure. This pressure reduced rapidly as we go up in the layers of atmosphere and maximum at the sea level. The pressure of a place is influenced by the temperature of that place. In high temperature area the pressure is low, results in cloudy sky with wet weather. In low temperature area the air pressure is very high, it is associated with clear and sunny sky. To balance the pressure, the air moves from higher pressure area to low pressure area.</p>
<p>SANSKRIT</p>	<p>1. शब्दार्थ लिखकर उसे याद करें :</p> <p>दरिद्राय, गावः, यच्छति, ददति, पूरिताः, आदयः, परिणतं, अधः, इच्छति, प्रफुल्लितः</p> <p>2. निम्नलिखित प्रश्नों के उत्तर लिखकर उसे याद करें :</p>

- क) कः प्रकाशः ददाति ?
 ख) सैनिकाः कस्मै स्वजीवनं ददाति ?
 ग) किं जीवनम् अस्ति ?
 घ) कस्मात् वर्षाः भवति ?
 ङ) कस्य वर्णः कृष्णः ?

3. निम्नलिखित वाक्यों को शुद्ध करके उसे याद करें :

- क) नृपः भिक्षुकः वस्त्रं ददाति ।
 ख) यमुनां नमः ।
 ग) एते वानराः वृक्षैः कूर्दन्ति ।
 घ) काकेन स्वरः मधुरः नास्ति ।
 ङ) प्रातः सूर्याय उदयः भवति ।

4. निम्नलिखित वाक्यों को संस्कृत में अनुवाद करके याद करें :

- क) लक्ष्मण राम के छोटे भाई हैं ।
 ख) वह मेरी किताब है ।
 ग) माला किसे कपड़े दे रही है ?
 घ) शिष्य ज्ञान के लिए पढ़ते हैं ।
 ङ) अध्यापकों को नमस्कार !

5. उचित शब्द चुनकर खाली स्थानों को भरें और याद करें :

- क) _____ जलं पवित्रं अस्ति । (कूपस्य, गंगायाः, तडागस्य)
 ख) भारतवर्षम् _____ देशः । (अहम्, वयं, अस्माकं)
 ग) सूर्यः _____ प्रकाशं यच्छति । (वसुधा, वसुधां, वसुधायै)
 घ) छात्राः _____ विद्यालयं गच्छन्ति । (पठनं, पठनेन, पठनाय)
 ङ) _____ नमः । (गंगां, गंगायै, गंगया)

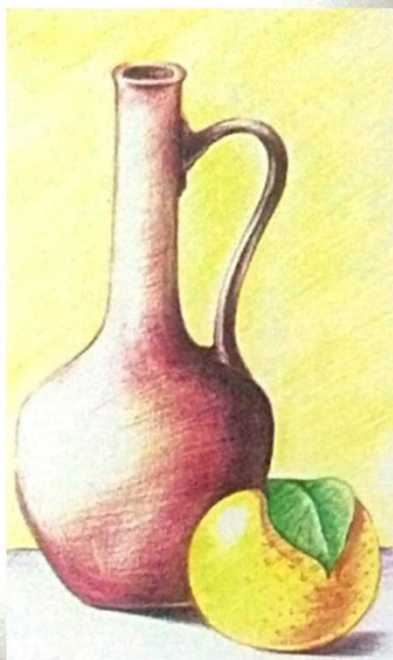
	<p>6. पाठ 19 – सुभाषितानि में दिए गए श्लोकों के अर्थ याद करें I</p> <p>7. अनुच्छेद – ‘मम परिचय’ को याद करें I</p> <p>8. ‘बालक’ के शब्द रूप को याद करें I</p> <p>9. ‘भू’ और ‘पठ्’ धातु के लट् और लृट् लकार को याद करें I</p>
COMPUTER	<p style="text-align: center;">REVISION</p> <ol style="list-style-type: none"> 1. What is conditional formatting? How can it be applied? 2. Write steps for multiple column sorting. 3. How can you apply data filter? 4. Explain cell referencing with examples. 5. Explain two ways of typing a formula in an Excel 2013 worksheet. 6. Explain the different components of a chart. 7. What is a Sparkline? Explain its types. 8. What is a Computer Virus? Name different types of computer viruses. 9. When is a spyware installed in your computer? 10. How can you protect your computer from viruses?
DRAWING	<p>Work to be done : Complete Chapter 12 and Chapter 13 as per instruction given in your drawing book.</p>



CHAPTER-12

Still Life (Coloured Pencil)

Sketch and draw the picture with coloured pencil.
Now colour the picture with coloured pencil keeping
in mind the light and dark shades.



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CHAPTER-13

Tree (Wash Technique)

We use wash technique or monochrome to depict a
drawing or painting in which only one colour is
used. We use wet on wet method along with
different tones of diluted water or poster colours.

Light tones of black ink
Middle tones of black ink
Dark tones of black ink



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