

HOLIDAY HOMEWORK 2021-22

CLASS: 7

SUBJECT: ENGLISH

1. Make 5 MCQs and 5 two marker questions from the each chapter given below.
 - a) Three questions
 - b) The Tiny Teacher
 - c) A Gift of Chappals
2. Research and make PPT (5-7 slides) on the 'Ants'
 - a) different types of ants
 - b) their life and the lessons one can learn from them.
3. Make PPT on Sway on the Indoor plants which are good for health and how to take care of them.
4. Research and make a PPT (6-7 slides) on 'Deserts'
 - a) different types of deserts in India
 - b) the life and vegetation of each desert
 - c) means of survival in the deserts for both animals as well as humans.
5. People have worked very hard in their most trying times but did not give up. They continued to struggle and came out as WINNERS. Do research on any one of the following persons and then watch their motivational video.
 - a) Benjamin Franklin
 - b) Thomas Edison
 - c) JK Rowling
 - d) Abraham Lincoln
 - e) Milkha Singh
 - f) AR Rehman
 - g) Chewang Norphel
 - h) Jadav Payeng

Make a video (of 10 -15 seconds) of yourself telling

- a) the name of the person whose video you saw
- b) struggles he faced
- c) his attitude that brought him through the trying times
- d) how his life changed for good & what is he doing presently



SUBJECT : MATHS

- Q1. Write in short about any Indian mathematician (200 words)
- Q2. Write a short note on national mathematics day.
- Q3. Do all the examples of chapter 1 and 2.
- Q4. Make a ppt on properties of integers.
- Q5. Write the application of integers and fraction and decimals in our day to day life.
- Q6. Frame a 40 marks question paper of 1hour duration from ch 1 & 2 consisting 10 mcq of 1 marks, 4 two marks ,4 three marks and 2 five marks questions.

*** Do Q1 to Q6 in a separate note book.**

- Q7. Activity 1: To show the addition of integers with the help of coloured bindis

Activity 2: To learn the multiplication of a whole number with a fraction.

***Do activity 1 &2 in maths lab manual.**

- Q8. Do worksheets of chapter1 & 2 on A4 size sheets.

CH 1 INTEGERS

Concept/Knowledge based worksheet (beginners)

1. When the integers 10, 0, 5, -5, -7 are arranged in descending or ascending order, then find out which of these always remains in the middle of the arrangement?
2. What will be the next three consecutive numbers in the sequence 11, 8, 5, 2,....?
3. What is the additive inverse of an integer 'a' ?
4. What is the value of $88 \times (-1)$?
5. What is the value of $25 \times (-4+5)$?
6. What is the temperature rise from -18°C to -11°C ?
7. What is the value of any integer 'a' divided by Zero?
8. What is the multiplicative identity for integers?
9. What is the additive identity for integers?
10. If $28 \times (-12) = 336$, then what is the value of $(-12) \times 28$? Give reason for your answer.

Understanding based worksheet (Advanced beginners)

- 1) Write two integers which are greater than (-10) but their sum is smaller than (-10).
- 2) You are at an elevation 380 m above sea level as you start a motor ride. During the ride your elevation changes by the following meters 540m, -268m, 116m, -152m, 490m, -844m, 94m. What is your elevation relative to sea level at the end of your ride?
- 3) Height of a place A is 1800m above sea level and height of another place B is 1700m below sea level. What is the difference between the heights of these two places?
- 4) In a test +3 marks are given for every correct ans and -1 marks are given for every incorrect ans and no marks are provided for not attempting the question. Find
 - a) What is total marks obtained by a student if she got 10 answers correct and two incorrect.
 - b) If one student scored +20 marks and she got 10 answers correct after attempting all the questions, then how many answers did she get wrong?
- 5) You have Rs.5000 in your savings account at the beginning of the month. The table below shows all of your transactions during the month. How much money is in your account after these transactions?

Cheque no.	Date	Transaction description	Payment	Deposit
3845109	4 sep 17	Jal Board	1200	
2534789	12 sep 17	Deposit		2000
3845110	18 sep 17	LIC India	1700	
2975432	23 sep 17	NEFT		1900

- 6) Fill in the blanks-
 - a) $(-a) + b = b +$ additive inverse of _____
 - b) _____ $\div (-10) = 0$
 - c) If x, y, z are integers then $(x+ \underline{\quad}) + z = \underline{\quad} + (y+z)$
 - d) _____ is multiplicative identity for integers.
- 7) What is the value of $(-25) \times (-12)$?
- 8) Write true/false for the following statements-
 - i) When two positive integers are added, we always get a positive integer.
 - ii) When two negative integers are added we always get a negative integer.

Application and Numerical Ability based worksheet (Proficient)

(critical and creative thinking-based questions: HOTS)

1. Observe the following patterns and fill in the blanks to make the statements true

a) $-5 \times 4 = -20$

$-5 \times 3 = -15 = -20 - (-5)$

$-5 \times 2 = \underline{\hspace{2cm}} = -15 - (-5)$

$-5 \times 1 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$-5 \times 0 = 0 = \underline{\hspace{2cm}}$

$-5 \times (-1) = 5 = \underline{\hspace{2cm}}$

$-5 \times (-2) = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2. Evaluate the following using distributive property

i) -39×99

ii) $-85 \times 43 + 43 \times 15$

3. Solve the following using properties

a) $23 \times (-99)$

b) $12 \times (-7) \times 5$

HOTS:

4. Sana and Fatima participated in an apple race. The race was conducted in 6 parts. In the first part Sana won by 10 seconds. In the second part she lost by 1 minute, then won by 30 seconds in third part and lost by 25 seconds in fourth part. She lost by 37 seconds in the fifth part and finally won by 12 seconds in the last part. Who won the race finally?

5. The following table shows the temperature in $^{\circ}\text{F}$ of different gases at sea level. Convert each of them in $^{\circ}\text{C}$ to the nearest integral value using the relation and complete the table

$$C = 5 (F - 32) \div 9$$

GAS	FREEZING POINT IN ° F	FREEZING POINT IN ° C
Hydrogen	-435	
Krypton	-251	
Helium	-458	
Argon	-309	
Oxygen	-369	

CH2 FRACTIONS AND DECIMALS

Concept/Knowledge based worksheet (beginners)

1. Reciprocal of $\frac{8}{3}$ is:
 (a) $2\frac{2}{3}$ (b) $9\frac{2}{3}$ (c) $\frac{11}{3}$ (d) $\frac{3}{8}$
2. 1.05×7 is equal to:
 (a) 7.75 (b) 7.35 (c) 7.25 (d) 10.35
3. Camron has 7 good arrows and 15 broken arrows. What fraction of Camron's arrows are broken?
4. The product of two fractions is 39. If one of them is $13\frac{1}{4}$, find the other.
5. Add $\frac{4}{7}$ and $\frac{3}{5}$.
6. Subtract, multiply and divide the fractions given below
 $\frac{6}{7}, \frac{10}{21}$
7. Choose like decimals from the following:
 - a. 125.9
 - b. 13.426
 - c. 1.8
 - d. 7.82
 - e. 4.396

Understanding based worksheet (Advanced beginners)

Q1 Find :

- (i) 49% of 54 m
- (ii) 67% of 36 litre
- (iii) $\frac{5}{7}$ of a week
- (iv) $\frac{7}{20}$ of a kg

Q2 Add :

- a. $4.19+6.3+48+26.342$
- b. $3/5+7/10$

Q3 Find 14.92×1.8 . Express the answer in fraction also.

Q4 Convert the following fractions and decimals:

- a. $7/125$
- b. $3/88$

Q5 a. Convert 8535 ml into litres.

- b. 4.9 into ml

Q6. Solve: $2.5 \times 10 \times 2 + 5$

Q7. The perimeter of a regular pentagon is same as that of a square of side 10.5 cm. find the side of the regular pentagon.

Application and Numerical Ability based worksheet (Proficient)

(critical and creative thinking-based questions: HOTS)

1. Rectangle is divided into certain number of equal parts. If 16 of the parts so formed represent the fraction $1/4$, find the number of parts in which the rectangle has been divided.
2. Mr. Rajan got a job at the age of 24 years and he got retired from the job at the age of 60 years. What fraction of his age till retirement was he in the job?
3. A cup is 13 full of milk. What part of the cup is still to be filled by milk to make it full?
4. Kartik ate $4/7$ part of apple and given the remaining to his sister Summi. Who ate more and by how much?
5. Saurabh bought 750 ml milk at rs 19/l , 1l 500ml oil at rs 48/l. he gave a hundred rupee note to the shopkeeper. What change did he shopkeeper give him back.

HOTS:

1. Jane gives half of her sandwich to Mona at lunch time and ate one third of it herself. How much of the sandwich did she leave?
2. Find the average of middle two fractions if $\frac{4}{7}$, $\frac{1}{3}$, $\frac{2}{3}$, $\frac{5}{9}$ are arranged in ascending order. A farmer has 192 animals out of which $\frac{7}{16}$ are cattle. $\frac{2}{3}$ of cattle are dairy cows. How many dairy cows does he have?

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SCIENCE

- A. Make a 3D model/picture showing the process of photosynthesis in plants.
- B. Make a photo album showing different kinds of plants. Also categorise them on the basis of their mode of nutrition.
- C. Do the following worksheet in your Science notebook-

Fill in the blanks:

1. The components of food which are necessary for our body are called _____.
2. Green plants synthesise their own food themselves by the process of _____.
3. _____ is the mode of taking food by an organism and its utilization by the body.
4. Complex chemical substances such as _____ are the products of photosynthesis.
5. _____ gas is produced during photosynthesis.
6. Organisms that are dependent on others for their nutrition are called _____.
7. _____ are the tiny pores present on the surface of the leaves and are surrounded by guard cells.
8. _____ is the ultimate source of energy for all living organisms.
9. Organisms which derive their nutrition from dead decaying matter are called _____.
10. Some organisms live together and share shelter and nutrients, this is called _____.
11. Carbohydrates are made up of _____, _____ and _____.

Name the following :

1. A bacterium that can take atmospheric nitrogen and convert it into a soluble form.
2. An insectivorous plant.
3. The mode of nutrition in mushrooms.
4. The indicator used to test the presence of starch in leaves.

D. Children, we all are aware of bad effects of plastic. So buy less plastic and bring a reusable cloth or jute bag. You need to make a cloth /jute bag out of waste things at home to minimise single use plastic.

E. Write the following activities in your practical file-

i) To record the human body temperature.

ii) To study the effect of an acid and a base on:

- Litmus paper (red and blue)

- Turmeric

- Phenolphthalein solution.

iii) To study the reaction between iron nails and copper sulphate solution.

SUBJECT – SOCIAL SCIENCE

A (HISTORY)

1. Make a collage titled "Medieval India". You could paste pictures of Monuments, Rulers, Coins, Writings, Painting -- any thing in fact that you think is linked to medieval India. (Do it on Chart Paper).

2. Find out about the history of your school. Compile a booklet based on your findings. (Do in A4 sheets)

3. Write your autobiography, that is your own life history. You could present it in the form of a booklet. You could include information on when and where you were born, who your parents are, where your family originated from, your interests and interesting anecdotes from your life. (Do in A4 sheets)

4. Frame five question each of 1 marks, 2 marks and 4 marks from lesson-1 (Tracing Changes Through Thousand years) and write answers.(Do it in A4 sheets).

B (Geography)

1. Collect pictures of living things, nonliving natural things and human made objects .Make a collage by pasting the pictures artistically. (Do it on chart paper).

2. a. List different purposes for which you use water at home and in school.

b. List four ways in which you can prevent water from being wasted. (Do it in A4 sheets)

3. Make a (PPT) presentation on any international body that is fighting to save the environment. (For example green peace). (Do it in A4 sheets)

4. Frame five question each of 1 marks, 2 marks and 4 marks from lesson-1 ENVIRONMENT and write answers. (Do it in A4 sheets).

C (SOCIAL AND POLITICAL LIFE) (spl)

1. Read the newspaper and find examples of different types of discrimination in our society. (Do it in A4 sheets).

2. Write- why are you agree or disagree on the following statement.

a. Everyone is equally affected by discrimination.

b. Indians do not discriminate on the basis of caste

c. The attitude of Indians towards inter-caste marriages.

d. Only well educated people should allowed to vote. (Do it in A4 sheets)

3. Frame five question each of 1 marks,2 marks and 4 marks from lesson-1 On Equality and write answers. (Do it in A4 sheets).

SUBJECT – HINDI

ग्रीष्मावकाश गृहकार्य

विषय- हिंदी

कक्षा -सातवीं

- 1) 'पक्षियों की स्वतंत्रता और सुरक्षा' विषय पर चित्रात्मक प्रस्तुति के साथ एक पी.पी.टी निर्माण कीजिए।
- 2) 'कोरोना से बचाव और सुरक्षा' विषय से संबंधित आकर्षक नारे (स्लोगन) चित्र सहित बनाइए।(A-4 sheet पर)
- 3) भक्तिकालीन कवि रहीम जी अथवा कबीर जी के पाँच दोहे याद करके, एक पॉडकास्ट तैयार कीजिए ।
- 4) लॉकडाउन के समय जब आप शहर से दूर अपने गाँव में जाकर रह रहे थे तब वहाँ पर आपका अनुभव कैसा रहा ? अपने अनुभव को एक अनुच्छेद के रूप में लिखिए ।
- 5) व्याकरण पुस्तक से 10 वचन बदलो,10 पर्यायवाची शब्द ,10 विलोम शब्द, 10 अनेक शब्दों के लिए एक शब्द कॉपी में लिखकर याद कीजिए।
- 6) अब तक पढ़ाए गए सभी पाठों को दोहराइए और करवाया गया समस्त कार्य याद कीजिए।

SUBJECT – SANSKRIT

गृह कार्य (ग्रीष्मावकाश)

- 1- पंचतंत्र की कहानियां पढकर कोई पांच शिक्षाप्रद कहानियां ए4 पेपर पर लिखिए।
- 2- संस्कृत गणना 1 से 50 तक दस बार अपनी पुस्तिका पर लिखिए ।
- 3- सुभाषितानि पाठ के श्लोक याद करके अपनी पुस्तिका में लिखिए ।
- 4- पढाए गए पाठों के अभ्यास कार्य एवं प्रश्नोत्तर याद कीजिए ।
- 5- बालक, लता, मुनि, किम पुल्लिंग, किम स्त्रीलिंग के शब्द रूप याद कीजिए और पुस्तिका में लिखिए ।

SUBJECT – COMPUTER

Q1) Prepare a banner using MS PowerPoint/Photoshop or any other software on “Spreading awareness on COVID pandemic”

Q2) Create MS Sway on “How to stay safe online”

Note:- The above work has to be uploaded in the computer assignment named “CLASS 7 - COMPUTER HOLIDAY HOMEWORK-2021-22” in the general channel of your class team.
