



**G. D. GOENKA  
INTERNATIONAL  
SCHOOL, NAINITAL  
NAKUCHIATAL,  
BHIMTAL**

**SUMMER HOLIDAY HOMEWORK  
Session 2021-2022**

**Class: X**

Dear Parents,

Due to the worldwide outbreak of COVID-19, the life has come to standstill. Education institutions are no exception to it. Keeping in view the future of our students, the school has decided to keep the students in touch with the academics through fun-filled activities, assignments and projects.

These projects are designed in such a way that you need not go out of your house. These can be completed with the help of online guidance through the given links wherever required.

We sincerely hope that the students will make best use of this time.

Regards!

Principal



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**SUMMER HOLIDAY HOMEWORK  
Session 2021-2022**

**Class: X**

**Subject: English**

**General Instructions :**

1. It is mandatory to attempt all questions.
2. The holiday homework is to be submitted after the summer break.
3. It is to be submitted in a strip file.

**Q1. Choose the correct option-**

**1. I \_\_\_\_\_ working all afternoon and have just finished the assignment.**

A have been

B had been

C shall be

D am

**2. Rohan \_\_\_\_\_ the movie before he read the review.**

A watches

B have watched

C had watched

D was watching

**3. He \_\_\_\_\_ in the States but he still does not have a command over the English language.**

A have been living

B has been living

C have lived

D living

**4. By the next month, we shall \_\_\_\_\_ the project.**

A has completed

B completing

C completed

D have completed

**5. Every boy and girl \_\_\_\_\_ in the class today.**

A are present

B is present

C have present

D had present

**6. He \_\_\_\_\_ daily for a year now.**

A exercises

B was exercising

C has been exercising

D have been exercising

**7. I \_\_\_\_\_ this book since morning.**

A had been reading

B has been reading

C have had read

D shall be reading

**8. Which tense is used to express general truths and facts?**

A Present continuous tense

B Present perfect tense

C Past perfect tense

D Present indefinite tense

**9. According to the prevailing rate, two dozen \_\_\_\_\_ rupees one hundred.**

A costs

B cost

C costing

D costed

**10. The Council \_\_\_\_\_ made its decision.**

A have

B have had

C has

D having

**Q2. Answer the following questions.**

1- Who is the author of the story "A Triumph of Surgery"?

- A) James Herriot
- B) Ruskin Bond
- C) Robert Arthur
- D) Victor Canning

2- Who does "I" refer to in the story?

- A) Tricki
- B) Mrs. Pumphrey
- C) Veterinary surgeon
- D) none of the above

3- What is the name of the veterinary surgeon?

- A) Tricki
- B) Mrs. Pumphrey
- C) Hodgkin
- D) Mr. Herriot

4- What problem does Mrs Pumphrey think Tricki has?

- A) diarrhoea
- B) malnutrition
- C) allergies
- D) all of the above

5- Did Mrs Pumphrey cut down on sweets as was advised?

- A) yes
- B) no
- C) only for a while
- D) she was not advised anything like that

6- Who is Hodgkin?

- A) dog owner
- B) gardener
- C) Veterinary surgeon
- D) Dog

7- What was the dog unable to play?

- A) ring-throw
- B) walk
- C) hide and seek
- D) all of the above

8- What did the doctor advise?

- A) cut his food
- B) give him more exercise
- C) keep him on a very strict diet
- D) all of the above

9- Was the narrator waiting for a call from Mrs Pumphrey?

- A) no
- B) yes
- C) maybe
- D) maybe not

10- How was Tricki acting?

- A) refusing to eat his favourite food
- B) didn't go for walks
- C) vomiting
- D) all of the above

11- How much money did Lencho ask for?

- A) 100 pesos
- B) 1000 pesos
- C) 10 pesos
- D) 500 pesos

12- What was the immediate reaction of the postman on seeing the letter?

- A) laughed whole-heartedly
- B) cried
- C) felt sad about what happened
- D) felt empathetic

13- The postmaster was a fat, amiable man. What is the meaning of amiable?

- A) rude
- B) helpful
- C) friendly
- D) enthuasaistic

14- On seeing the letter, the postmaster was moved by Lencho's \_\_\_\_\_

- A) unwavering faith
- B) handwriting
- C) love for God
- D) determination

15- Why did the postmaster decide to reply to Lencho's letter?

- A) he was a good man
- B) he felt empathetic
- C) to preserve Lencho's faith in God
- D) all of the above

**Q3. Answer the following questions**

1. What kind of a person do you think the narrator, a veterinary surgeon, is? Would you say he is tactful
2. Do you think Tricki was happy to go home? What do you think will happen now?
3. Why is Mrs Pumphrey worried about Tricki?
4. Is the narrator as rich as Tricki's mistress?
5. Why is he tempted to keep Tricki on as a permanent guest?

**Attempt the following question.**

Q4. Our performance in the Olympics has told us that we do not pay enough attention to athletics and outdoor games. It is time we revised our attitude. Sports should be an important part of school's daily routine. Write an article in 150-200 words in 'Importance of Outdoor Games'. You are Sreeja/Thomas.

**Subject Teacher: Mr. Deewakar Gaur**



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**SUMMER HOLIDAY HOMEWORK  
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**Class: X**

**Subject: Hindi**

निर्देश-

- दिए गए गृह कार्य को फाइल पेपरों में करें
- कार्य सुंदर एवं लिखावट स्वच्छ होनी चाहिए
- कार्य स्वयं हस्तलिपि में होना अनिवार्य है

1. प्लाज्मा डोनेशन के लिए 25 से 50 शब्दों के बीच एक विज्ञापन तैयार कीजिए ।
2. कोरोना महामारी जैसे संक्रमण से बचने के उपाय के लिए दो मित्रों के बीच लगभग 80 शब्दों में संवाद लिखिए ।

**Subject Teacher: Mrs. Shashi Sanwal**



- The HCF and LCM of two numbers is 9 and 459 respectively. If one of the number is 27, the other number is:  
a) 153  
b) 150  
c) 459  
d) 135
- What is the number x? The LCM of x and 18 is 36. The HCF of x and 18 is 2.  
a) 1  
b) 3  
c) 2  
d) 4
- If -1 is a zero of the polynomial  $p(x) = x^2 - 7x - 8$ , then the other zero is .....
- The rational form of  $0.\bar{8}$  is .....
- Without actual division, express rational number  $\frac{17}{625}$  as terminating form .....
- The zeroes of a polynomial  $x^2 + 5x - 24$  are:  
a) One positive and one negative  
b) Both positive  
c) Both negative  
d) Both equal
- If  $\alpha$  and  $\beta$  are the zeroes of a polynomial  $x^2 - 5x + b$  and  $\alpha - \beta = 1$ , then value of b is:  
a) -6  
b) -5  
c) 5  
d) 6
- Degree of the polynomial  $2x^4 + 3x^3 - 5x^2 + 9x + 1$  is:  
a) 3  
b) 1  
c) 2  
d) 4
- If  $\alpha$  and  $\beta$  are zeroes of  $x^2 + 5x + 8$ , then value of  $(\alpha + \beta)$  is:  
a) -8  
b) 8  
c) 5  
d) -5
- If  $\alpha$  and  $\beta$  are the zeroes of the polynomial  $4x^2 - 2x + (k - 4)$  and  $\alpha = \frac{1}{\beta}$ , then the value of k is .....

Do activity 1 in your Maths lab manual; 'To find the conditions for consistency and inconsistency for system of linear equations in two variables by graphical method.'

**Subject Teacher: Mrs. Saswati Roy**





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**Subject: Science**

### **PHYSICS**

1. What is an electric charge? Also give its SI unit. Write different properties of an electric charge?
2. Explain the 'flow of charges' inside a wire in details.
3. Explain electric potential and potential difference. Also name a device that helps to maintain a potential difference across a conductor.
4. (i) What is meant by saying that the potential difference between two points is 1 V?  
(ii) How much energy is given to each coulomb of charge passing through a 6 V battery?
5. Write down the Ohm's law? With the help of it explain definition of one ohm of resistance.
6. Name the factors upon which the resistance of a conductor depends. Explain it with the help of an activity.
7. What does an electric circuit mean? Draw a schematic diagram of a circuit consisting of a battery of three cells of 2 V each, a 5  $\Omega$  resistor, an 8  $\Omega$  resistor and a 12  $\Omega$  resistor, and a plug key, all components in series.
8. An electric lamp of 100  $\Omega$ , a toaster of resistance 50  $\Omega$ , and a water filter of resistance 500  $\Omega$  are connected in parallel to a 220 V source. What is the resistance of an electric iron connected to the same source that takes as much current as all three appliances, and what is the current through it?
9. Write and explain Joules law of heating. Explain the following with some valid reason:
  - (i) Why is the tungsten used almost exclusively for filament of electric bulbs?
  - (ii) Why are the conductors of electric heating devices, such as bread-toasters and electric irons, made of an alloy rather than a pure metal?
  - (iii) Why is the series arrangement not used for domestic circuits?
  - (iv) Why are copper and aluminum wires usually employed for electricity transmission?

10. The values of current I flowing in a given resistor for the corresponding values of potential difference V across the resistor are given below-

I (ampere)	0.5	1.0	2.0	3.0	4.0
V (volt)	1.6	3.4	6.7	10.2	13.2

Plot a graph between V and I and calculate the resistance of that resistor.

**Subject Teacher: Mr. Harish Bisht**

### **CHEMISTRY**

HOMEWORK WILL BE SHARED SOON. AS PER THE AVAILABILITY OF CONCERNED TEACHER

**Subject Teacher: Mr. Avinash Dwivedi**

### **BIOLOGY**

Q 1 - Define photosynthesis?

Q 2 - Write the correct chemical equation for photosynthesis?

Q 3- Write the role of human liver in digestion of food?

Q 4- Write the role of Hcl in human stomach?

Q 5- What are villi found in small intestine also mention their function in human body?

Q 6- What is the function of human liver in food digestion?

Q 7- What you mean by dental formula, write the dental formula for human beings?

Q 8- What you mean by dental cavities, how they occur, which living organisms cause them?

Q 9- Write the names of three parts of human small intestine?

Q 10- how does amoeba gets its nutrition, explain by the help of some diagrams?

**Subject Teacher: Mr. Avinash Dwivedi**



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**Subject: Social Studies**

Q1. Prepare a detailed Project report on “ **Consumer Awareness**”. Use the following hints while making the project.

- Consumer movements
- Consumer International
- Consumer Rights
- COPRA
- Jago Grahak Jago

Project to be made in File papers, relevant pictures to be pasted. The file should have front page, index, acknowledgement, conclusion and bibliography.

Q2. Make a poster of “ **Rain water harvesting**” in half chart paper.

write a **slogan** on ‘**conservation of water**’ in your poster.

**NOTE: Both the questions contains 10 Marks each. Marks of these activities will be taken as your internal assessment. You have to bring these assignments with you when u report to the school without fail.**

**Subject Teacher: Mrs. Bhagya Lakshmi (Contact Nu: 9528722335)**



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**Subject: Information Technology**

Create a presentation on topic: **Web Applications and Security**. Presentation must contain 15slide at least. Email the presentation to [akashsaxena06@yahoo.com](mailto:akashsaxena06@yahoo.com)

**Subject Teacher: Mr. Akash Saxena**