



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

**SUMMER HOLIDAY HOMEWORK  
Session 2021-2022**

**Class: IX**

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  
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**Class: IX**

**Subject: English**

**Q1. Imagine you started writing a short story. However, due to an unavoidable reason, you had to give it up after writing a few lines. Taking help from the input given below and using the beginning given, write a complete story and give it a suitable title.**

**Raghu and Raj were two friends and neighbors. Raghu had a servant named Ramu.**

**The name of Raj's servant was Shammu ...**

Outline: Both servants foolish..... two friends debated..... who is more foolish?..... Ramu or Shammu?..... decided to give a test..... Raghu told Ramu "Run back to my house to find out if I am there or not"... Ramu rushed home..... Raj told Shammu..... Go to your room and find out if you are there or not." Ramu and Shammu returned ..... Ramu complained..... wasted time..... master could have phoned to find himself..... Shammu reported..... he was not in the room..... nothing to choose between them.

**Q2. Project work**

**'The Sound of Music'** is a biographical piece about Evelyn Glennie, a famous percussionist who listened to sound without hearing it. **(Refer to your English book-BEEHIVE-Lesson 2, part1).**

Collect information about any 4 people /children who have overcome their physical barriers and have achieved success in their lives. Paste pictures of the chosen and prepare this project in a file with a front page and an acknowledgement.

**\*NOTE:** Both the questions contain 10 marks each which will be included in the internal assessment. You must bring this assignment with you once the school reopens.

**Subject Teacher: Mrs. Himanshu Pant**



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**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. इफको कंपनी की ओर से ऑक्सीजन सप्लाई के लिए लगभग 25 से 50 शब्दों में एक विज्ञापन तैयार कीजिए ।
  2. अपने क्षेत्र में देर तक दुकानें खुलने के कारण संक्रमण फैलने के डर हेतु जिलाधिकारी को शिकायती पत्र लिखो ।

**Subject Teacher: Mrs. Shashi Sanwal**



1.  $\sqrt{12}x\sqrt{15} =$ 
  - a) 5
  - b)  $5\sqrt{6}$
  - c)  $6\sqrt{5}$
  - d) 6
2. Which of the following is equal to x?
  - a)  $\sqrt[12]{(x^4)^{\frac{1}{3}}}$
  - b)  $x^{\frac{12}{7}} \cdot x^{\frac{7}{12}}$
  - c)  $\sqrt{(x^3)^{\frac{2}{3}}}$
  - d)  $x^{\frac{12}{7}} - x^{\frac{5}{7}}$
3. An irrational number between 5 and 6 is
  - a) None of these
  - b)  $\sqrt{5+6}$
  - c)  $\sqrt{5-6}$
  - d)  $\sqrt{5x6}$
4.  $2\sqrt{3} + \sqrt{3}$  is equal to
  - a)  $2\sqrt{6}$
  - b)  $3\sqrt{6}$
  - c) 3
  - d)  $3\sqrt{3}$
5. If  $x = 3 + \sqrt{8}$ , then the value of  $(x^2 + \frac{1}{x^2})$  is:
  - a) 32
  - b) 34
  - c) 6
  - d) 12
6. The two rational numbers which are their own multiplicative inverses are .....
7. The degree of constant function is:
  - a) 0
  - b) 3
  - c) 1
  - d) 2

8. If  $p(x) = x+3$ , then  $p(x) + p(-x)$  is equal to
- a)  $2x$
  - b)  $3$
  - c)  $0$
  - d)  $6$
9. The highest power of the variable in a polynomial is called the ..... Of the polynomial.
10. The value of  $\frac{2}{\sqrt{5}-\sqrt{3}}$  is .....

Do Activity 1 in Maths Lab manual ‘To construct a square root spiral upto  $\sqrt{7}$ ’.

**Subject Teacher: Mrs. Saswati Roy**



**PHYSICS**

1. Write the definition position of rest and motion of an object along with some examples.
2. Explain different kind of motion along with definition and examples of each kind?
3. Distinguish between:
  - (i) Distance and Displacement
  - (ii) Speed and Velocity
4. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.
5. A farmer moves along the boundary of a square field of side 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position?
6. When will you say a body is in
  - (i) Uniform acceleration
  - (ii) Non-uniform acceleration
7. A train starting from a railway station and moving with uniform acceleration attains a speed of  $40 \text{ km h}^{-1}$  in 10 minutes. Find its acceleration.
8. Prove following equations of motion by graphical method:
  - (i)  $v = u + at$
  - (ii)  $s = ut + \frac{1}{2}at^2$
  - (iii)  $v^2 = u^2 + 2as$
9. A train is travelling at a speed of  $90 \text{ km h}^{-1}$ . Brakes are applied so as to produce a uniform negative acceleration of  $-0.5 \text{ ms}^{-2}$ . Find how far the train will go before it is brought to rest.
10. A stone is thrown in a vertically upward direction with a velocity of  $5 \text{ ms}^{-1}$ . If the acceleration of the stone during its motion is  $10 \text{ ms}^{-2}$ . If the acceleration of the stone during its motion is  $10 \text{ ms}^{-2}$  in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?

**Subject Teacher: Mr. Harish Bisht**

## **CHEMISTRY**

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

**Subject Teacher: Mr. Avinash Dwivedi**

## **BIOLOGY**

Q1. Answer the following:

- ❖ Define cell?
- ❖ Who discovered cell?
- ❖ Who discovered nucleus?

Q2. Write at least 5 sentences to tell about the cell organelle which is known as power house of the cell?

Q3. Differentiate between the following:

- a) Chloroplast and chlorophyll.
- b) Plant cell and animal cell.
- c) Eukaryotic and prokaryotic cell.

Q4. To explain the prokaryotic cell, draw a well labelled diagram of bacterial cell?

Q5. Make well labeled diagrams of animal cell and plant cell?

**Subject Teacher: Mr. Deepak Sharma**



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**Subject: Social Studies**

Q1. Prepare a detailed project report on “ Disaster of COVID-19”. While making the project follow the hints given.

- Beginning era of COVID
- World wide crisis due to corona
- Crisis caused in India due to COVID
- Mitigation plans by the government to control COVID
- Awareness and preparedness among the community to control this disaster

Project to be made in the file papers with front page, index, acknowledgement , conclusion and bibliography.

Q2. In a chart draw or paste the pictures of the national symbols of France and India. Write a comparative analysis of the symbols on the chart.

**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 No.: 9528722335)**





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**Subject: Information Technology**

Create a presentation on the following topics:

- Communication Skills
- Methods of Communication
- Verbal Communication
- Non-verbal Communication
- Communication Cycle and Importance of Feedback
- Barriers to Effective Communication

Presentation must contain 15 slide at least. Email the presentation to

[akashsaxena06@yahoo.com](mailto:akashsaxena06@yahoo.com)

**Subject Teacher: Mr. Akash Saxena**



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**Subject: French**

~ Make a project file with the title “La France “

- Draw or paste images and describe with a small

Paragraph in French the following:

5 French monuments

5 French festivals

**Subject Teacher: Mr. Saiyed Moallim**