



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

**PREPARATORY ASSIGNMENTS  
Session 2020-2021**

**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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**PREPARATORY ASSIGNMENTS  
Session 2020-2021**

**Class: IX**

**Subject: English**

**General Instructions:**

1. This question paper is divided into two sections.  
Section A : Reading  
Section B : Writing and Grammar
2. All questions of a particular section must be attempted in the correct order.
3. Adhere strictly to the prescribed word-limit while answering the questions.

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**SECTION A (READING)**

**A 1.** Read the passage given below and answer the questions that follow:

**INDIAN SPICES**

1. Spices bring to mind images of tempting culinary art, fascinating travels and the bitter struggle for supremacy. Expressions like 'Variety is the spice of life' and 'Sugar and spice and all that's nice' show how spellbound were men of letters about spices.
2. To Orientals, spices are indeed the soul of food. In the Western world, it evokes dreams of exotic tropical islands, exciting expeditions to find routes to the source and the rise and fall of empires. Columbus went westwards in 1492 from Europe to find a sea route to the land of spices but found the New World. Eight years later, Vasco da Gama went round Africa and touched Kozhikode on the South-West coast of India. Long before that, Arabs started trading with the Orient through land routes. During the 13<sup>th</sup> century, Marco Polo experienced the attraction of spices in his travels. Even the European conquests and trade arrangements in India and the East Indies had a lot to do with spices.
3. Thousands of years ago, great masters of Ayurveda (the Indian system of medicine), notably Susruta and Charaka, discussed in detail the use of spices for culinary and medicinal purposes. Enterprising soldiers of fortune took the knowledge of spices to Egypt. There they used spices and aromatic herbs in food, medicine, cosmetics and for embalming. The conquest of Egypt and Asia by Alexander the Great made spices an article of commerce in Mediterranean countries and later in central and northern Europe. There are reports of pepper being used in meat, both to aid preservation and to mask the unwelcome odour of deterioration of quality during the long winter storage.
4. Hippocrates, the father of modern medicine, and Theophrastus, a Greek scholar and botanist, wrote treatises on medicinal plants, including spices. India has been home to most of the major spices of the world with varieties from Kerala dominating international trade.

**Questions:**

- (i) Why do spices fascinate people?
- (ii) Where do Orientals live?
- (iii) Where did Columbus want to reach?
- (iv) What did Marco Polo experience during his travels?

- (v) What did Susruta and Charaka discuss in detail?
- (vi) What made spices an article of commerce in Mediterranean countries?
- (vii) Who wrote treatises on medicinal plants, including spices?
- (viii) What spice was used for preservation of and masking of foul odour from meat?

**A 2.** Read the passage given below and answer the questions that follow:

1. Is your glass half-empty or half-full? How you answer this age-old question about positive thinking may reflect your outlook on life, your attitude towards yourself, and whether you're optimistic or pessimistic—and it may even affect your health. Indeed, some studies show that personality traits such as optimism and pessimism can affect many areas of your health and well-being. The positive thinking that typically comes with optimism is a key part of effective stress management. And effective stress management is associated with many health benefits. If you tend to be pessimistic, don't despair—you can learn positive thinking skills.

2. Positive thinking doesn't mean that you keep your head in the sand and ignore life's less pleasant situations. Positive thinking just means that you approach unpleasantness in a more positive and productive way. You think the best is going to happen, not the worst. Positive thinking often starts with self-talk. Self-talk is the endless stream of unspoken thoughts that run through your head. These automatic thoughts can be positive or negative. Some of your self-talk comes from logic and reason. Other self-talk may arise from misconceptions that you create because of lack of information. If the thoughts that run through your head are mostly negative, your outlook on life is pessimistic. If your thoughts are mostly positive, you're an optimist—someone who practices positive thinking.

3. It's unclear why people who engage in positive thinking experience these health benefits. One theory is that having a positive outlook enables you to cope better with stressful situations, which reduces the harmful effects of stress on your body. It's also thought that positive and optimistic people tend to live healthier lifestyles—they get more physical activity, follow a healthier diet and don't smoke or drink alcohol in excess.

4. We must try and incorporate positive thinking in our lives to derive countless benefits. It will not only help us achieve higher goals but will also enhance our ability to perform. The effects of positive thinking don't stop as soon as the good feelings subside, if we practise optimism in every aspect of our lives.

**Questions:**

- (i) How can one manage stress effectively?
- (ii) What does positive thinking mean, according to the writer?
- (iii) What is self-talk?
- (iv) What is the theory behind experiencing health benefits due to positive thinking?
- (v) The word 'indeed' in para 1 means the same as \_\_\_\_\_.  
 (a) never                      (b) without fail                      (c) always                      (d) of course
- (vi) Which of the following words is an antonym of 'automatic' in para 2 ?  
 (a) instinctive                      (b) manual                      (c) premeditated                      (d) deliberate
- (vii) Which of the following words is nearest in meaning to 'optimistic' in para 3 ?  
 (a) ideal                      (b) confident                      (c) smart                      (d) buoyant
- (viii) Which of the following words is a synonym of 'enhance' in para 4 ?  
 (a) expand                      (b) improve                      (c) enlarge                      (d) prosper

## **SECTION B (WRITING AND GRAMMAR)**

**B 1.** Write a short story in 150-200 words using the outline given below. Also give it a suitable title.

Dark night-lost my way-dense forest-followed footprints trail-reached lonely house-entered-shocked to see-woke up in bed.

**B 2.** Complete the paragraph given below by filling up the blanks with appropriate words.

Three tourists (a) \_\_\_\_\_ Delhi decided (b) \_\_\_\_\_ visit Goa last year. While standing (c) \_\_\_\_\_ the Calangute beach, two (d) \_\_\_\_\_ them decided to have (e) \_\_\_\_\_ dip in the sea.(f) \_\_\_\_\_ playing (g) \_\_\_\_\_ the water they (h) \_\_\_\_\_ swept away by the current.

**B 3.** Rearrange the following words and phrases to make meaningful sentences.

- (a) ideal citizen/ the nation/ an / to/ an asset/ is
- (b) makes/ he/ a valuable contribution/ nation building/ to/ activities
- (c) he/ his/ knows/ and/ rights/ responsibilities
- (d) his country/ of/ he abides/ the/ by/ laws

**Subject Teacher: Mr. Deewakar Gaur**



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**Class: IX**

**Subject: Hindi**

**निर्देश**

- सभी प्रश्नों के उत्तर फाइन पेपर पर करें।
- कार्य स्वयं हस्तलिपि में होना अनिवार्य है।

- 1। सियारामशरण गुप्त द्वारा रचित 'एक फूल की चाह' कविता छूआछूत एवं महामारी जैसी बीमारी पर आधारित है। इसी प्रकार वर्तमान समय में पूरे संसार में फैले हुए 'कोरोना वाइरस' जैसी महामारी के क्या लक्षण हैं? वह किस प्रकार फैलता है तथा उससे कैसे बचा जा सकता है? नाटक रूप में (कामिक्स रूप में) एक परियोजना कार्य तैयार करें।
- 2। भारत सरकार द्वारा कोरोना वाइरस से बचाव के लिए उठाए गए कदमों का पूर्ण विवरण देते हुए एक लेख लिखें।

**Subject Teacher: Mrs. Shashi Sanwal**



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**Class: IX**

**Subject: Mathematics**

1. Take the measurement of your room (in cm) and find out the lateral surface area, total surface area and the volume of your room.
  2. What is heron's formula? What are the applications of heron's formula? Find the area of given triangle whose side measures are 10cm, 8cm, and 6cm.
  3. Find the factors of given equation
    - a)  $12x^2 - 7x + 1$
    - b)  $2x^2 + 7x + 3$
    - c)  $x^2 + 2x + 1$
- You can take the help of given link  
<https://www.youtube.com/watch?v=wP-DrNWikmY>.
4. Find two object inside your home of cylindrical shape, take the proper measurement and find the curved surface area, total surface area and volume of the cylinder.

**Subject Teacher: Mr. Puneet Bisht**



**PHYSICS**

**Instructions**

- All questions are based on chapter motion . Students are advised to **open this link** <https://m.youtube.com/watch?v=-r0nW1KCu0A> and study mentioned topic.
- Separate links are also provided for each questions.
- Assignment have to be done in word file.
- Images can be attached according to requirement.

**Q.1** What do you understand by motion?

<https://m.youtube.com/watch?v=s09qCD217WM>

**Q.2** What do you understand by distance and displacement?

<https://m.youtube.com/watch?v=21BwUNDOQno>

**Activity**

- Take a long rope.
- Walk from one corner of your room to its opposite corner along its sides.
- Measure the distance covered by you and magnitude of the displacement.
- What difference would you notice between the two in this case?

**Q.3** What is difference between uniform and non-uniform motion?

[https://m.youtube.com/watch?v=qRR\\_1Gj6Kzw](https://m.youtube.com/watch?v=qRR_1Gj6Kzw)

**Activity**

Time	Distance travelled by object A in m	Distance travelled by object B in m
9:30 am	10	12
9:45 am	20	19
10:00 am	30	23
10:15 am	40	35
10:30 am	50	37
10:45 am	60	41
11:00 am	70	44

The data regarding the motion of two different objects A and B are given

- Examine them carefully and state whether the motion of the objects is uniform or non-uniform.

**Q.4** What is speed? What is velocity? Also write down mathematical formula for both.  
<https://m.youtube.com/watch?v=S9Z1a3sZfHY> (for speed)  
<https://m.youtube.com/watch?v=apewLkLAR-U> (For velocity)

**Q.5** What is acceleration?  
<https://m.youtube.com/watch?v=vxFYfumAAIY>

### **Activity**

In your everyday life you come across a range of motions in which

- (a) acceleration is in the direction of motion,
  - (b) acceleration is against the direction of motion,
  - (c) acceleration is uniform,
  - (d) acceleration is non-uniform.
- Can you identify one example each of the above type of motion?

**Q.6** Draw the graph for speed, velocity and acceleration.  
<https://m.youtube.com/watch?v=-r0nW1KCu0A> (Start this video after 9 seconds)

**Q.7** try to answer following question

1. What is the nature of the distance-time graphs for uniform and non-uniform motion of an object?
2. What can you say about the motion of an object whose distance-time graph is a straight line parallel to the time axis?
3. What can you say about the motion of an object if its speed-time graph is a straight line parallel to the time axis?
4. What is the quantity which is measured by the area occupied below the velocity-time graph?

## **CHEMISTRY**

General instructions:

1. Complete the assignment properly.
  2. Do your assignment as per the direction given for each.
- 
1. Write last ten Nobel Laureates (of chemistry) along with their contribution. (Each individual must be on a separate page)
  2. Write 10 daily essentials along with their chemical names, formulae and their uses

## **BIOLOGY**

Q1- Make two diagrams that shows:

1. Animal cell
2. Plant cell

Web link <https://in.pinterest.com/>

Q2- Write ten points to show how can you keep yourself away from infectious diseases?

Web link <https://www.pugetsound.edu/student-life/counseling-health-and-wellness/health-topics/preventing-the-spread-of-infec/>

<https://www.verywellhealth.com/tips-to-prevent-infections-1958877>

Q3- How many types of food categories you know to keep our immunity in better way at least 10 points

<https://symptoms.webmd.com/#/info>

Q4- What are the ways that can be adopted by the farmers in our country to keep us away from chemical rich food enrich with insecticide pesticide herbicide etc.

Web link <https://www.conserve-energy-future.com/>

Q5- In the different parts of the country we use different methods to clean water for daily use list at least 3 methods.

<http://www.enviroalternatives.com/>

Q6- Answer the following

- A- Name first antibiotic medicine discovered
- B- What colour pigment found in green plant leaves
- C- Who discovered cell
- D- Name 2 essential inorganic elements found in pure water to keep our teeth and bones healthy

Web link <https://ncerthelp.com/>

**Subject Teacher: Ms. Richa, Mr. Avinash, Mr. Deepak**



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**Class: IX**

**Subject: Social Studies**

**Learning Based Activities**

**HISTORY**

Through the Internet collect the information about the following topics and make a note in the notebook which you have. You would be presenting these topics in the class later.

- a) The causes of French Revolution in 1789.
- b) Political symbols and their features during French Revolution.
- c) Philosophers and their role in the Revolution in France.
- d) The Reign of Terror in France.
- e) Role of Women Revolutionaries in French Revolution.

**ECONOMICS**

Through the Internet collect the information and write a note on 'Green Revolution' which was initiated in India during 1960s. Also write its impact on Indian agriculture.

**POLITICAL SCIENCE**

At present our country is facing a severe crisis due to COVID-19. With the help of Internet, newspapers, Television News, prepare a daily basis report in a paragraph of ten sentences on the steps taken by the state governments and the Central Government for regulating the crisis in our country.

**GEOGRAPHY**

Trace or draw a political map of India and locate the following in it.

- a) The state which shares its boundaries with China, Nepal and Bhutan.
- b) The state which shares its boundaries with China and Pakistan.
- c) The state having common land and sea boundary with Pakistan.
- d) An Indian state that shares its boundary with Bangladesh and Myanmar.
- e) Smallest among the states sharing border with Pakistan.
- f) Capitals of : Uttarakhand, Madhya Pradesh, Gujarat, Rajasthan, Karnataka, Tamil Nadu, Kerala

NOTE: Due to the present crisis of COVID-19, and not to hamper your academics and to keep you connected with the next class syllabus these assignments are given. Complete the given assignments and prepare yourself to present these in the classroom when you report.

**Subject Teacher: Mrs. Bhagya Lakshmi**  
**(Contact No.: 9528722335)**



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**Subject: Information Technology**

Q1. Write a letter – to an IT company manager – asking for a job. You must use the following features of a word processor to write the letter.

- Bold and Underline some important parts of the text.
- Use Bullets and Numbering.
- Change the margin (custom) of the page.
- Save the document with student name and class. [Ex.- Suraj class 9]
- Use left, right and center tab stop.

Q2. Create a Mark sheet by keeping following points in mind-

	A	B	C	D	E	F	G	H	I	J	K	L	M
				Subjects									
	S.No.	Student Name	Class	hindi	english	maths	science	social sc.	IT	total marks	Percentage	Pass/Fail	
1	1	Ankit	10	65	73	80	76	69	83				
2	2												
3	3												
4	4												
5	5												
6	6												
7	7												
8	8												
9	9												
10	10												
11	11												
12	12												
13													
14													
15													
16													
17													

- Create your own defines auto update series for mark sheet.
- Rename the sheet name to mark sheet.
- Save the work book with your name only with class.
- Use font size, style, color shapes, border etc. of your choice.
- Do calculation by using functions only.
- Marks to be provided out of 100 for every subject.
- Calculate the total marks.
- Calculate the percentage of every student.
- Indicate pass students by 'P' and fail students by 'F' in red color using function.
- Apply validation on class as class must be greater than 9.
- Format the cells as well as cell content (as per your choice).

Q4. Prepare a presentation for both the contents:

- i. Internet and services
- ii. Computer fundamentals

**Instructions:**

- a. Write acknowledgement page.
- b. Use images.
- c. Use tables.
- d. Use different themes for different slides.
- e. Use font size, style, color shapes of your choice.
- f. Use custom animation for the text as well as images.
- g. Describe each topic properly in detail.

**IMPORTANT NOTE:**

- Put all the related file like image, audio and video clip in the same folder that you have created with your name.
- Students can take help from internet to search the content.
- Suggested sites are: <https://www.khanacademy.org/>, <https://www.youtube.com/> and [https://www.youtube.com/watch?v=RdTozKPY\\_OQ](https://www.youtube.com/watch?v=RdTozKPY_OQ)
- Students are supposed to prepare notes / write the steps in MS Word file by typing only. Please avoid copy and paste from internet.

**Subject Teacher: Tarun Shankhdhar**



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**Subject: French**

Dear students , use the attached Youtube links to learn and practice the following topics.

1. Préparez 5 affiches en français sur MS power point pour decrire toutes les mesures de sécurité prises pendant le Corona Virus.

-

[https://www.google.com/search?q=corona+virus+affiches+en+français&tbm=isch&ved=2ahUKEwiZ8-vZ5LzoAhUz1nMBHdTFAI8Q2-cCegQIABAA&oq=corona+virus+affiches+en+français&gs\\_lcp=CgNpbWcQAzoCCABQhakWWJm9FmCtwhZoAHAAeAKAAcYliAHMGJIBDTAuMi4wLjluNi0xLjGYAQcQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=kA9\\_XpnrD7Osz7sP1luD-Ag&rlz=1C1CHBF\\_enIN855IN855#imgrc=L5e9ECCSxtN1xM](https://www.google.com/search?q=corona+virus+affiches+en+français&tbm=isch&ved=2ahUKEwiZ8-vZ5LzoAhUz1nMBHdTFAI8Q2-cCegQIABAA&oq=corona+virus+affiches+en+français&gs_lcp=CgNpbWcQAzoCCABQhakWWJm9FmCtwhZoAHAAeAKAAcYliAHMGJIBDTAuMi4wLjluNi0xLjGYAQcQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=kA9_XpnrD7Osz7sP1luD-Ag&rlz=1C1CHBF_enIN855IN855#imgrc=L5e9ECCSxtN1xM)

2. Écrivez une lettre à votre ami en lui décrivant votre journée typique.

[verbes pronominaux]

- [https://www.youtube.com/watch?v=BHED\\_P2ZdUM](https://www.youtube.com/watch?v=BHED_P2ZdUM)

3. Les adverbess interrogatifs .

- <https://www.youtube.com/watch?v=nvh4c6dVt5E>

[Make 2 interrogative phrases with each interrogative adverb]

4. Le future simple.

- <https://www.youtube.com/watch?v=usso-3oafBA>

5. Décrivez votre famille. [Redigez un passage pour decrire votre famille]

- [https://www.youtube.com/watch?v=6W-GeT\\_UHJo](https://www.youtube.com/watch?v=6W-GeT_UHJo)

- <https://www.youtube.com/watch?v=vMm1zFOySU>

Use the links given below to do the activities based on your learning

For any help regarding the topics/explanation You can contact me on whatsapp-9335060702

3. [https://www.google.com/search?q=adverbess+interrogatifs+en+français&tbm=isch&ved=2ahUKEwjliq6O5rzoAhXQVCsKHVuhD3YQ2-cCegQIABAA&oq=adverbess+interrogatifs+en+français&gs\\_lcp=CgNpbWcQA1DtqyJYo9giYlclmgAcAB4AYABmQiiAYUYkgELMC4xLjEuNi0yLjGYAQcQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=ChF\\_XuXdMtCprQHbwr6wBw&rlz=1C1CHBF\\_enIN855IN855](https://www.google.com/search?q=adverbess+interrogatifs+en+français&tbm=isch&ved=2ahUKEwjliq6O5rzoAhXQVCsKHVuhD3YQ2-cCegQIABAA&oq=adverbess+interrogatifs+en+français&gs_lcp=CgNpbWcQA1DtqyJYo9giYlclmgAcAB4AYABmQiiAYUYkgELMC4xLjEuNi0yLjGYAQcQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=ChF_XuXdMtCprQHbwr6wBw&rlz=1C1CHBF_enIN855IN855)

4. [https://www.google.com/search?q=activity+on+futur+simple+en+français&tbm=isch&ved=2ahUKEwip3e6i6LzoAhXQVCsKHVuhD3YQ2cCegQIABAA&oq=activity+on+futur+simple+en+français&gs\\_lcp=CgNpbWcQAzoECAAQGFDRjBRY38UXYOvZF2gAcAB4AYABnJOIAZe3A5IBBzctMi4yLjYAOQCQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=ThN\\_Xqn-KtCprQHbwr6wBw&rlz=1C1CHBF\\_enIN855IN855#imgrc=QL2oiREP6zITCM](https://www.google.com/search?q=activity+on+futur+simple+en+français&tbm=isch&ved=2ahUKEwip3e6i6LzoAhXQVCsKHVuhD3YQ2cCegQIABAA&oq=activity+on+futur+simple+en+français&gs_lcp=CgNpbWcQAzoECAAQGFDRjBRY38UXYOvZF2gAcAB4AYABnJOIAZe3A5IBBzctMi4yLjYAOQCQAQgQAQtnD3Mtd2l6LWltZw&scient=img&ei=ThN_Xqn-KtCprQHbwr6wBw&rlz=1C1CHBF_enIN855IN855#imgrc=QL2oiREP6zITCM)

5. [https://www.google.com/search?q=activity+on+decrivez+la+famille+en+fran%C3%A7ais+&tbm=isch&ved=2ahUKEwil4qfi6bzoAhXd0nMBHSitCIYQ2-cCegQIABAA&oq=activity+on+decrivez+la+famille+en+fran%C3%A7ais+&gs\\_lcp=CgNpbWcQA1DhkxNY4ZMTYL6fE2gAcAB4AIBgQKIAyEckgEDMi0xmAEAoAEBqgELZ3dzLXdpei1pbWc&scient=img&ei=4BR\\_XojoyC92lz7sPqNqqsAU&rlz=1C1CHBF\\_enIN855IN855](https://www.google.com/search?q=activity+on+decrivez+la+famille+en+fran%C3%A7ais+&tbm=isch&ved=2ahUKEwil4qfi6bzoAhXd0nMBHSitCIYQ2-cCegQIABAA&oq=activity+on+decrivez+la+famille+en+fran%C3%A7ais+&gs_lcp=CgNpbWcQA1DhkxNY4ZMTYL6fE2gAcAB4AIBgQKIAyEckgEDMi0xmAEAoAEBqgELZ3dzLXdpei1pbWc&scient=img&ei=4BR_XojoyC92lz7sPqNqqsAU&rlz=1C1CHBF_enIN855IN855)

**Subject Teacher: Mr. Saiyed Moallim**