



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

**HOLIDAY HOMEWORK
Session 2019-2020**

Class: IX

Dear Parents,

Winter vacation has begun and it's time to have a new learning experience. We have compiled a set of sheets and some activities to keep our child creatively engaged during these holidays. Creativity is a part of our makeup, as we all agree that without it the purpose of work seems to go nowhere. Children must buckle down and satisfy themselves and exhibit their creativity. These sheets are not just fun but will also help our child to learn and observe new things. You must help your child in doing these sheets. You need to read the instructions to help them wherever necessary. There are some activities in which you can also join your child and make the activity more meaningful for him/her. Some points to keep in mind:

- Holiday homework is to be done in the sheets provided. In case any activity requires any extra sheet, please use an A-4 size sheet only.
- Homework has to be submitted on the first day of school after vacation.
- Make sure your child completes the home work before coming back to school and submits the same to the subject teacher.
- Please take care of the neatness of the work.

Have a very happy and fruitful vacation!!!



“Creativity is when sights
that everyone sees arouses thinking that nobody else has thought.”

Anonymous
Senior Section Educator



General Instructions :

1. It is mandatory to attempt all questions.
2. The holiday homework is to be submitted on the first working day after winter break.
3. Homework is to be submitted in a strip file.

1. You are Rakesh/Reena of Class IX. You have read somewhere that positive self-concept is necessary for self-development and a smooth life. We should accept ourselves as we are. Read the following hints and draft an article in 100-120 words on 'Self-acceptance'.

People come in all sorts of shapes and sizes – beauty comes from the fact that they are different with no uniformity – should have the same thinking when we judge ourselves. Should not be harsh to ourselves – should gracefully accept what we perceive to be flaws in ourselves – should not have low self esteem and low self-confidence – should not dislike anyone for being dark skinned, fat, short, dumb – see the good qualities – everyone is not perfect – key to joy is self acceptance - a path to a life full of joy – Self love the best form of love.

2. Fill up the blanks by using the correct tense form of the verbs given in brackets.
 - a. We (go) to Guwahati by Rajdhani Express last month.
 - b. Rajdhani train (be) a fully air conditioned train.
 - c. It (provide) food, cold drinks, water and the blankets at night.
 - d. The journey (be) cool. It imparted solace to the soul and mind.
 - e. On the opposite, there (be) a priest.
 - f. He (be) in the church of Patna for past twenty years.
 - g. I was informed that he (read) a book.
 - h. He did not say when he (come.)
 - i. I hope that you (pardon) me soon.
 - j. He taught me that good deeds (be) never lost.
3. Complete the paragraph given below with the help of option that follow :

Most Indian school fail to ensure their students adequate playtime and fitness regime. Two out of every five school going children (a) have a healthy Body Mass Index (BMI) and 50% of children (b) adequate lower body strength. Some

schools (c) found to offer three or more physical education periods per week. The students (d) Exhausted (e) summers.

- (a) (i) does (ii) does not (iii) don't (iv) do
 (b) (i) lack (ii) lacked (iii) have lacked (iv) had lacked
 (c) (i) was (ii) are (iii) is (iv) have
 (d) (i) will get (ii) got (iii) during (iv) after
 (e) (i) in (ii) of (iii) during (iv) after

4. Look at the words and phrases given below. Rearrange them to form meaningful sentences:

- a. eyes/beautiful/and precious/from God / to us / are / gift
 b. thankful / to God / should / we / be / it / for
 c. remember / we / him / distress / in / only
 d. to / grateful / be / we / always / god / should
 e. ultimate / is / our / God / savior

5. In the following passage, one word has been omitted in each line. Write the missing word along with the words that come before and after it.

		Before	Missing Word	After
A severe earthquake struck seismic hot zone in the	(a)	.....	.....	.....
Himalayan foothills today, toppling thousands houses,	(b)	.....	.....	.....
causing massive landslides and killing least 87 people.	(c)	.....	.....	.....
It was the strongest earthquake in last 20 years	(d)	.....	.....	.....
Heavy rains hampered rescue operations	(e)	.....	.....	.....

6. Write a story in 200-250 words based on the following outline.

A jackal falls into a dyer's tub gets coloured yellowan idea..... announce himself king of forestanimal respect
 Jackal insults themworried animalshold a meeting
starts howlingidentifiedcannot resist
 truth comes outanimals kill him.

7. Answer each of these questions in short paragraph (about 30 words).

- a. Why was Margie doing badly in Geography ? What did the country inspector do to help her ?
 b. How did Ron Forbes help Evelyn ? How could Evelyn sense certain notes ?
 c. When and how did Bismillah Khan gets his first break ?
 d. How did Einstein react to the bombing of Hiroshima and Nagasaki ?
 e. How did the doctor react when he encountered the snake ?
 f. What lesson did the priest Lakshmana Sastry teach the new teacher ?
 g. Write the theme of the poem 'The Road Not Taken'.

- h. Do you think Innisfree is only a place, or a state of mind ? Does the poet actually miss the place of his boyhood days ?
- i. How did Iswaran entertain Mahendra ?
- j. What was the routine of the people in the Kingdom of fools ?

Subject Teacher: Mr. Deewakar Gaur



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**HOLIDAY HOMEWORK
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Class: IX

Subject: Hindi

निर्देश

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

- 1। 'एक फूल की चाह' एक कथात्मक कविता है। कविता के आधार पर कहानी लिखें।
- 2। पर्यावरण के प्रति जागरूकता बढ़ाने के लिए लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।
- 3। सात दिनों के समाचार पत्रों को पढ़कर निम्नलिखित कार्य कीजिए-
(क) अनुस्वार, अनुनासिक, अर्धचंद्राकार व नुक्ता युक्त 15-15 शब्द छाँटकर लिखिए।
(ख) 10 शब्द छाँटकर उनका वर्ण-विच्छेद कीजिए।

Subject Teacher: Mrs. Shashi Sanwal



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Class: IX

Subject: Mathematics

General Instructions:

- i) Make a separate copy.
 - ii) Solve the question with proper and clear steps.
 - iii) Make a short video of 1st question .Send the video to this number 7454862773.
 - iv) If you have query related to any question feel free to contact this number 7454862773.
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- 1- Make a small three dimensional shape with the help of card board or waste material of any two shapes (cube, cuboid, cylinder, cone, sphere, and hemisphere). Find the lateral surface area, total surface area and volume. Do this with proper measurements.
 - 2- Take measurement of your room (height, length, breadth)
 - i) Find the area of all walls.
 - ii) Find the total surface area of your room
 - iii) Find the total cost of white wash if the cost of white wash is Rs120 per square feet.
 - 3- Solve the question paper of half yearly.
 - 4- Do the practice of all chapter which are completed mark all the doubts?.

Subject Teacher: Mr. Puneet Bisht

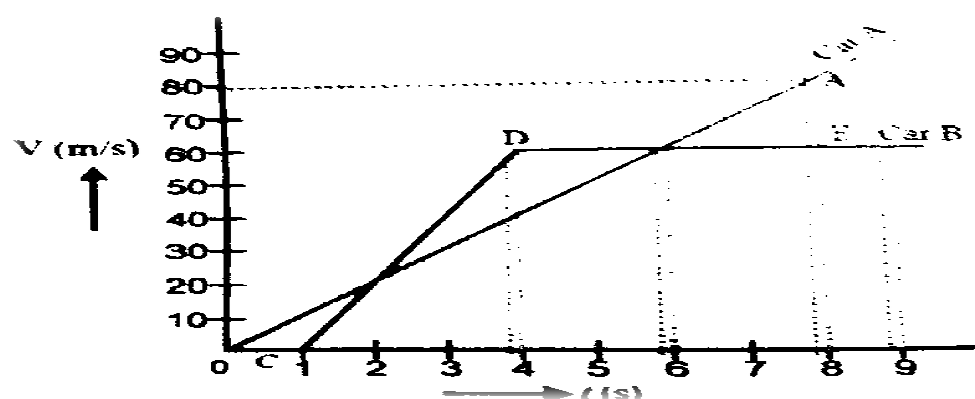


PHYSICS

General Instructions:

- Use separate notebook/file for doing this work.
 - All the answers should be in sequence as well as neat and clean.
 - Draw a neat diagram using pencil and scale wherever required.
- 1) Under what condition, the average speed is equal to the magnitude of the average velocity. Justify your answer.
 - 2) Two identical bullets are fired, one by a light rifle and another by a heavy rifle with the same force. Which rifle will hurt the shoulder more and why?
 - 3) The gravitational force between two objects is F . How will the force change when the distance between them is reduced to $\frac{1}{4}$ th?
 - 4) A long spring whose one end is rigidly fixed is stretched from the other end then left. Longitudinal wave of frequency 10 Hz produced. If the velocity of the wave is 25 ms^{-1} , find the distance between two consecutive compressions in the spring.
 - 5) Universal law of gravitation states that every object exerts a gravitational force of attraction on every other object. If this is true, why don't we notice such forces? Why don't the two objects in a room move towards each other due to this force?
 - 6) A piece of steel has a volume of 12 cm^3 , and a mass of 96 g. What is its density:
 - a. in g / cm^3 ?
 - b. in kg / m^3 ?
 - 7) Name the devices based on Archimedes principle. How will you verify Archimedes principle experimentally?
 - 8) A battery lights a bulb. Describe the energy changes involved in the process. Calculate the amount of work needed to stop a car of 250 kg, moving at a speed of 18 km/hr.
 - 9) A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of 3.0 m/s^2 for 8 sec. How far does the boat travel during this time?
 - 10) A sound wave has frequency of 4 KHz and wavelength of 50 cm. It takes 5s to travel. Calculate the distance it travels.

- 11) State a condition for an echo to be heard. Describe two uses of multiple reflections of sound.
- 12) State the principle of conservation of energy. What are various energy transformations that occur when you are riding a bicycle? A body of mass 25 g has a momentum of 0.04 kg m/s. Find its kinetic energy.
- 13) What does SONAR stand for? Name its two main parts. List two uses of SONAR technique.
- 14) The brake applied to a car produce an acceleration of 6 ms^{-2} in the opposite direction to the motion if the car takes 3 s to come to rest after the application of brakes, calculate (i) the initial velocity of the car before applying the brakes, and (ii) the distance covered by the car before stopping .
- 15) What is transformation of energy? Explain with any two suitable examples.
- 16) Which part of the ear contains the actual hearing organ? Draw the structure of the ear and label it.
- 17) State the meaning of 1 Pascal. A boy of mass 40kg is standing on loose sand. If the area of his feet is 0.04 m^2 . Calculate the pressure exerted by the boy on the sand. ($g=10 \text{ ms}^{-2}$)
- 18) How work is defined in science? When do we say that one joule work has been done by a force on an object?
- 19) How does a person move in the forward direction while swimming?
- 20) The v-t graph of cars A and B which starts from the same place and move along a straight road in the same direction is shown in figure. Calculate (i) the acceleration of car A between 0 and 8 s. (ii) the acceleration of car B between 2 s and 4 s. (iii) the points of time at which both the cars have the same velocity (iv) which of the two cars is ahead after 8 s and by how much?



CHEMISTRY

General instructions:

1. Complete the homework in a separate notebook.
 2. Write all the necessary steps required in the question.
 3. After completion of one answer, start new answer.
-
1. Write 50 chemical formulae.
 2. Write 50 chemical names.
 3. Calculate the molecular mass of the 50 molecules.
 4. Solve the examples given on page no. 41 and 42 (example no. 3.3 to 3.5) and exercise given on page no. 42 (questions 1 and 2)
 5. Solve the exercise given on page no. 43 and 44 questions no. 1, 2 and 6 to 11.

ALL THE BEST, ENJOY YOUR HOLIDAYS.

BIOLOGY

General instructions:

1. Complete lab manual file along with diagrams as instructed in the classroom.
2. Complete the given assignment in separate note books.
3. Revise the following chapters

Ch-5 The fundamental unit of life

Ch-14 Improvement in food resources

Write the answers of the given questions in separate notebook-

Q1. How does substances like CO₂ and water in and out of the cell? Discuss

Q2. Differentiate between the following:

- Plant cell and animal cell.
- Prokaryotes and Multicellular.

- Osmosis and diffusion.

Q3. State what happens when-

Dry apricots are left for some time in pure water and later transferred to

- sugar solution.
- The plasma membrane of cell breaks down.
- Golgi apparatus is removed from the cell.
- A RBC is kept in concentrated & lye solutions.

Q4. Differentiate between RER and SER. How is endoplasmic reticulum important for membrane biogenesis?

Q5. Explain structure and function chromosome and plastids.

Q6. Why is plasma membrane called a selectively permeable membrane.

Q7. Why are lysosomes also termed "natural scavengers and cellular housekeepers".

Q8. List the type of chromosome if its position of centromere is (a) in the middle (b) at the tip.

Q9. Why are mitochondria called semiautonomous organelles?

Q10. State the types of plastids along with their functions.



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Class: IX

Subject: Social Studies

INSTRUCTIONS:

1. Prepare a project file with following details:

- The total length of the project reports of both the questions should not be more than 15 (A-4) sheets.
- The project report should be handwritten and credit will be awarded for illustrations and creative use of eco-friendly materials.
- The project report should be presented in a neatly bound simple folder.
- The project report should be developed neatly in the following order:
 - a) **Cover page** showing project title, student information, academic year and name of the school.
 - b) **Index page** showing list of contents with page numbers.
 - c) **Acknowledgement page** showing acknowledging the institution, and persons who have helped to do the project.
 - d) **Relevant headings** to be written boldly and underlined.
 - e) **Bibliography page**—should have the name of the author or the publisher of the book referred or the specific website link which has been used.

Q1. Prepare a Census chart of 15 families. Collect the information about the following:

- a) Total number of members in the family (Number of male and female)
- b) Age group between (0 to 15, 15 to 59, 60 and above)
- c) Education d) Occupation e) Annual Income

Compile the information in terms of percentage according to the different age groups and present it through the bar graph.

Q2. Interview any Political Executive or a Permanent Executive of your locality and write the conversation in your project file.

Prepare a questionnaire of 10 questions like about their education, journey towards their profession, their role model, their views about the economic status of the country, their views about the political system of India, their role in minimizing the challenges of India etc.,

Paste your photograph with the person you interviewed.

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

RUBRICS: (Total Marks-20)

Presentation: 8 Marks

Originality: 6 Marks

Questions Quality: 7 Marks



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Class: IX

Subject: Information Technology

1. 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 centre tab stop.

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

S.No.	Student Name	Class	hindi	english	maths	science	social sc.	IT	total marks	Percentage	Pass/Fail
1	Ankit	10	65	73	80	76	69	83			
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

- 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).

3. Prepare a presentation for both the contents:

- i. Internet and services
- ii. Computer fundamentals (Unit 2)

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.
4. Prepare hand written project file for annual examination. Only assessment / assignment to be done for the following units. (Unit1, Unit 2, Unit 3, Unit 4, Unit 5)

ASSESSMENT RUBRICS

Total Marks-20

For multiple assessment and Port folio:

- **Presentation - 4 marks**
- **Research - 4 marks**
- **Aesthetics / Creativity - 4 marks**
- **Following the guidelines - 6 marks**
- **Submission on time - 2 marks**

For Final Exam

- **Project File – 10 Marks**

Subject Teacher: Tarun Shankhdhar



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Class: IX

Subject: French

GENERAL INSTRUCTIONS:

- Assignment must be done in a Drawing sheet.
- Questions must be written prior to answering them.
- Work must be neat, clean and complete. Pasting pictures in the assignment is as per requirement.
- Students must submit the assignment in one's own handwriting within the first day of their return from the winter break.

1) Prepare a project file of 2 French Recipes including the images , ingredients and preparation (En Français). [10marks]

2) Make a project file on the topic “Connaissons la France” : by describing the French cities(Paris, Nice, Marseille et Lyon) including the images and details on the following topics :
a) Famous tourist destinations
b) Famous monuments
c) Important cuisine
d) Famous festivals

[10 marks]

ASSESSMENT RUBRICS

Total Marks-20

- Content - 5 marks
- Creativity & Images - 5 marks
- Presentation - 5 marks
- Spell check & word choice - 5 marks

Subject Teacher: Mr. Saiyed Moallim