

SUMMER HOLIDAY HOMEWORK

Class-IX

SUBJECT: ENGLISH-----

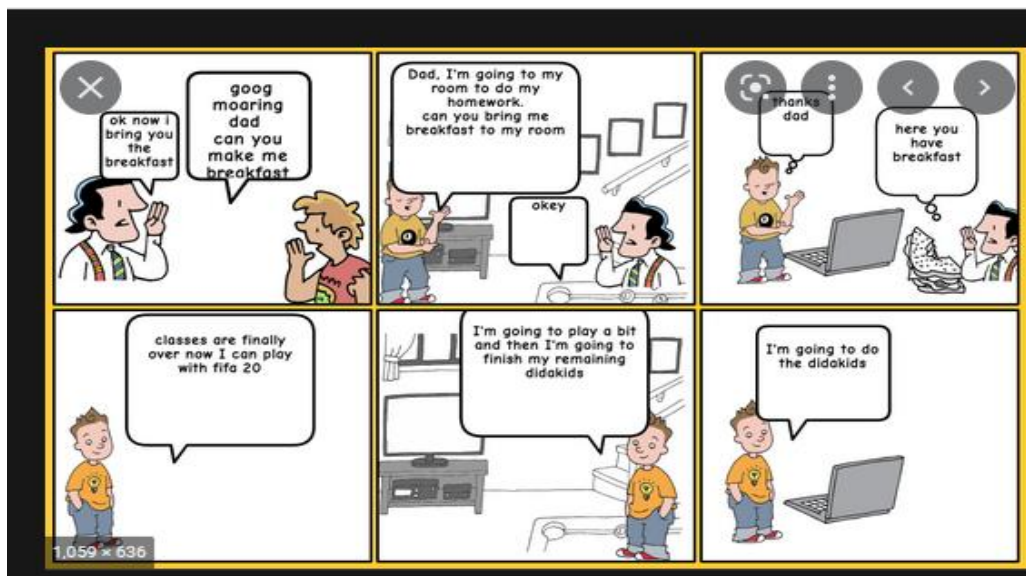
Dear students,

Your summer assignment should be creative and colourful, you can use pencil colour for question no 1 (YOU CAN DO IT IN A4 SIZE PAPERS)

1. Comic Strips

Direction: Imagine you have visited to Odisha, and started interviewing an important personality, who is associated in the world of music, and accordingly prepare a comic strips based on the chapter 'The Sound of Music'.

Example of comic strips:



2. Direction: Collect the English newspapers and read the article of your choice and find out ten reported speeches, passive voice and subject verb agreement sentences. **(Paste the newspaper clipping in A4 Size Paper.)**

3. Prepare a summer diary ... **(Create a small booklet with colourful pages)**

4. Write the structure of the following tenses with examples.

(1 each for affirmative, negative and interrogative) **(Do it in A4 SIZE PAPER)**

- Present indefinite tense
- Present continuous tense
- Present perfect tense
- Past Indefinite Tense
- Past Continuous tense

f. Past Perfect Continuous Tense

g. Write 20 synonyms and antonyms of the words that you used every day.

SUBJECT: HINDI-----

अपठित-गद्यांश

(कार्यपत्रक-१)

निर्देश: स्पष्ट रूप से अपनी कार्य-पुस्तिका में लिखे-

नीचे दिए गए गद्यांश को पढ़कर प्रश्नों के उत्तर दीजिए –

हमारे देश के त्योहार चाहे धार्मिक दृष्टि से मनाए जा रहे हैं, या नए वर्ष के आगमन के रूप में; फसल की कटाई एवं खलिहानों के भरने की खुशी में हो या महापुरुषों की याद में; सभी अपनी विशेषताओं एवं क्षेत्रीय प्रभाव से युक्त होने के साथ ही देश की राष्ट्रीय एवं सांस्कृतिक एकता और अखंडता को मज़बूती प्रदान करते हैं। ये त्योहार जहाँ जनमानस में उल्लास, उमंग एवं खुशहाली भर देते हैं, वहीं हमारे अंदर देश-भक्ति एवं गौरव की भावना के साथ-साथ, विश्व-बंधुत्व एवं समन्वय की भावना भी बढ़ाते हैं। इनके द्वारा महापुरुषों के उपदेश हमें बार-बार इस बात की याद दिलाते हैं कि सद्बिचार एवं सद्भावना द्वारा ही हम प्रगति की ओर बढ़ सकते हैं। इन त्योहारों के माध्यम से हमें यह भी शिक्षा मिलती है कि वास्तव में धर्मों का मूल लक्ष्य एक है, केवल उस लक्ष्य तक पहुँचने के तरीके अलग-अलग हैं।

(क) त्योहारों से मनुष्य को क्या शिक्षा मिलती है ?

(ख) हमारे देश में त्योहार मनाने के मुख्य आधार क्या हैं ?

(ग) त्योहारों का हमारे जीवन में क्या महत्त्व है ?

(घ) त्योहारों और महापुरुषों के उपदेश में समानता गद्यांश के आधार पर स्पष्ट कीजिए।

(ङ) उपर्युक्त गद्यांश का उपयुक्त शीर्षक लिखिए।

शब्द और पद

अविकारी-शब्द

(कार्यपत्रक-२) वस्तुनिष्ठ प्रश्न

प्रश्न-1-समुच्चयबोधक अव्यय है-

(क) अहा!

(ख) परन्तु

(ग) अवश्य

(घ) अचानक।

प्रश्न-2-"कल वर्ष आयेगी।" वाक्य में 'कल' क्रियाविशेषण अव्यय है-

(क) स्थानवाचक

(ख) रीतिवाचक

(ग) कालवाचक

(घ) परिमाणवाचक।।

प्रश्न-3-"मेरे घर के सामने पेड़ है।" 'सामने' अविकारी शब्द है-

(क) समुच्चयबोधक

(ख) सम्बन्धबोधक

(ग) विस्मयादिबोधक

(घ) क्रियाविशेषण अव्यय।

प्रश्न-4-"संज्ञा या सर्वनाम का शेष वाक्य के साथ संबंध जोड़ने वाला शब्द कहलाता है-

(क) संबंधबोधक

(ख) क्रिया

(ग) क्रियाविशेषण

(iv) सर्वनाम

प्रश्न-5-“समुच्चयबोधक शब्द का अभिप्राय है-

(क) दो शब्दों या वाक्यों को पृथक करना,

(ख) दो शब्दों या वाक्यों को जोड़ना

(ग) दो शब्दों या वाक्यों में समानता बताना

(घ) इनमें कोई नहीं

प्रश्न-6-“समुच्चयबोधक के उदाहरण हैं-

(क) के पास, से दूर

(ख) और, क्योंकि

(ग) में, पर

(घ) सुबह, रात

लघुत्तरात्मक प्रश्न

प्रश्न-1-अविकारी पद किसे कहते हैं? इनके प्रकारों के नामोल्लेख कीजिए।

प्रश्न-2-क्रियाविशेषण के दो उदाहरण-वाक्य लिखिए।

प्रश्न-3-विस्मयादिबोधक किसे कहते हैं? उदाहरण सहित लिखिए।

रैदास के पद

(कार्यपत्रक-3)

प्रश्न-1-निम्नलिखित प्रश्नों के उत्तर दीजिए-

(क) रैदास ने स्वयं को मोर और चकोर मानकर ईश्वर को क्या माना है?

(ख) दूसरे पद में रैदास ने किसका वर्णन किया है?

(ग) रैदास किसी से ना डरने की बात क्यों कहते है?

(घ) रैदास के प्रभु कैसे है और वे अपने भक्तों का कष्ट कैसे दूर करते है?

(ङ) चितवत चंद चकोरा के माध्यम से कवि क्या कहना चाहते है?

प्रश्न-2-शिष्य होना गुरु के प्रति उसकी समर्पण भावना को व्यक्त करता है , परन्तु कुछ वर्षों से गुरु-शिष्य परम्परा में बदलाव आया है । अपने विचार से इसके कारण बताइए ।

SUBJECT: SANSKRIT

दिए गए सभी प्रश्नों के उत्तर लिखना अनिवार्य है-

ये सभी कार्य A4 साइज़ की शीट पर कीजिए-

सभी विद्यार्थियों से अनुरोध है कि लिखावट सुन्दर हो व मात्राओं में त्रुटियाँ न हो-

प्रश्न १. 'मम् जननी विषय पर १०० शब्दों में निबंध लिखिए-

प्रश्न २. श्लोक लेखन -कोई भी १० श्लोक अर्थ सहित लिखिए-

प्रश्न ३. प्रत्यय- त्वा, क्त्वा, तुमुन, ल्यप प्रत्यय के ५-५ उदाहरण लिखिए-

प्रश्न ४. समय लेखन- घड़ी का चित्र बनाकर अलग – अलग समय दर्शाइए-

SUBJECT: MATHEMATICS

Ch-1 NUMBER SYSTEM

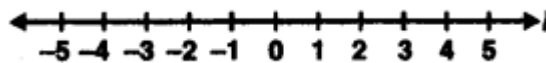
- **Revise (NCERT) chapter 1 Number system and chapter 2 Polynomials. Please solve the following questions in the separate notebook.**

1. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.
2. Locate $\sqrt{3}$ on the number line.

3. Express $1.8181\dots$ in the form $\frac{p}{q}$ where p and q are integers and $q \neq 0$.
4. Simplify: $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$.
5. Represent $\sqrt{4.5}$ on the number line.
6. Express $1.3\bar{2} + 0.\bar{35}$ as a fraction in the simplest form.
7. If $x = 9 + 4\sqrt{5}$, find the value of $\sqrt{x} - \frac{1}{\sqrt{x}}$.
8. Find 'x', if $2^{x-7} \times 5^{x-4} = 1250$.
9. Represent $\sqrt{4.5}$ on the number line. (Geometrically)
10. Find three different irrational numbers between the rational numbers $\frac{5}{7}$ and $\frac{9}{11}$.
11. If $a = \frac{1}{3-\sqrt{11}}$ and $b = \frac{1}{a}$, then find $a^2 - b^2$.
12. Find a and b , if

$$\frac{2\sqrt{5} + \sqrt{3}}{2\sqrt{5} - \sqrt{3}} + \frac{2\sqrt{5} - \sqrt{3}}{2\sqrt{5} + \sqrt{3}} = a + \sqrt{15}b$$

13. Sudhir and Ashok participated in a long jump competition along a straight line marked as a number line. Both start the jumps one by one but in opposite directions. From 'O' Ashok jumps one unit towards the positive side while Sudhir jumps double in units as Ashok jumps, along negative side. After jumping 4 jumps each, at which point Ashok and Sudhir reached. What is the distance between their final positions? Ashok argue that he is the winner since Sudhir is at negative side. Who do you think is winner and why? What is the value of the competition?



14. Manu went to his mathematics teacher and asked him "Sir, I want some chocolates to distribute among my classmates for my birthday but I have no money. Can you provide me some chocolates"? Teacher told Manu, I am giving you two numbers $13+2\sqrt{2}$ and $13-2\sqrt{2}$ and if you can find the value of sum of their squares, then I will provide you as many chocolates as the resulting value of sum of squares of given numbers. Find the number of chocolates. What value is depicted from this action?

SUBJECT: SCIENCE

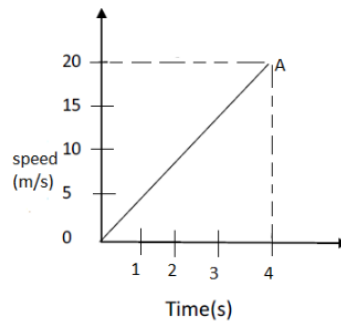
PHYSICS:

Application Based: (Numerical Analysis) [Hint: Use equations of motion]

1. An object is moving up an inclined plane. Its velocity changes from 15m/s to 10m/s in two seconds. What is its acceleration?
2. A body covered a distance of x metre along a semi-circular path. Calculate the magnitude of displacement of the body, and the ratio of distance to displacement?
3. A particle moving with an initial velocity of 5m/s is subjected to a uniform acceleration of -2.5m/s^2 Find the displacement in the next 4 sec.
4. A car covers 30km at a uniform speed of 30km/hr. what should be its speed for the next 90km if the average speed for the entire journey is 60km/h?
5. Give one example of a uniformly accelerated motion.

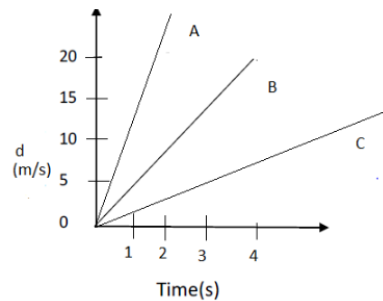
Graph Based Questions: (Use separate Graph Paper)

6. Find the distance covered by a particle during the time interval $t=0$ and $t=4s$ for which the speed time graph is shown in figure



7. Figure shows distance time graph of three objects A, B and C

- which object is moving with a greater speed
- which object is moving with slowest speed



CHEMISTRY:

- Write and learn the name and atomic mass of elements up to atomic number 30. [**Write in your notebook**]
- Write and learn the name and symbols of ions with their charge given in table no. 3.6, Page no.-37 NCERT SCIENCE Textbook for class IX. [**Write in your notebook**]
- Write summary of the chapter-1: Matter in our surroundings in your own words.

NOTE: No.3 is a Competition. You have to submit the final summary in A4 size papers only. You can write and re-write, make necessary improvements wherever required before writing on A4 size papers. This activity is for your portfolio

BIOLOGY:

CHAPTER-1: FUNDAMENTAL UNIT OF LIFE

NOTE: Write the answers of following questions in your Biology Notebook only.

- Write the main function of leucoplast.
- What is the function of SER in liver cells of vertebrates?
- Why the RER appears rough?
- Why viruses are not supposed to be living?
- What is a nucleoid?
- Why dry raisins placed in water swell up?
- In which part of a plant chromoplasts are found?

8. Where are genes located?
9. What will happen if we keep a plant cell or animal cell in a i) Hypotonic solution ii) Hypertonic solution iii) Isotonic solution.
10. Explain the importance of osmosis for living beings?
11. Who coined the term “cell “and how?
12. Draw a diagram of an animal cell as seen through an electron microscope. Label parts that carry on the function of respiration, secretion, protein synthesis and transport of material.
13. Which substance is responsible for transfer of characters from one generation to another part?

SUBJECT: INFORMATION TECHNOLOGY-----

Practical List for Unit 3 – Digital Documentation

1. Create a document using a word processor
Task to be performed:
 - List the available word processing applications.
 - Introduce with the parts of the main window.
 - Change document views.
 - Start a new document.
 - Open an existing document.
 - Save a document.
 - Close a document
2. Apply Editing features
Task to be performed:
 - Editing of text in a document
 - Demonstrate to use undo and redo option,
 - Use the keyboard and mouse options to select, cut, copy, paste, and move text.
 - Demonstrate to select non-consecutive text items, vertical block of text,
 - Search and replace text in a document.
 - Jump to the given page number in a document,
 - Insert non-printing characters in a document,
 - Apply Spelling and grammar option of document.
 - Demonstrate to use Synonyms and Thesaurus.
3. Apply formatting features
Task to be performed:
 - Apply various text formatting options for the text,
 - Demonstrate to format paragraphs – indent/align paragraphs, assign font colour, highlighting, and background colour,
 - Assign number or bullets to the lists items
 - Demonstrate to assign colour, border and background to paragraph
 - Demonstrate the page formatting – set up basic page layout using styles,
 - Insert page break, Create header/footer and page numbers
 - Define borders and backgrounds
 - Insert images, shapes, special characters in a document
 - Divide page into columns,
 - Format the shape or image.
4. Create and work with tables

Task to be performed:

- Create table,
- Insert and delete rows and column in a table,
- Split and merge tables,
- Delete a table,
- Copy or move from one location to another location of document.

5. Use Print Options

Task to be performed:

- Print selected pages in the document
- Print the document with various options,
- Preview pages

6. Understand and apply mail merge

Task to be performed:

- Demonstrate to print the letters using mail merge,
- Do the following to achieve
- Create a main document,
- Create the data source,
- Enter data in the fields,
- Merge the data source with main document,
- Edit individual document,
- Print the merged letter,
- Save the merged letter.

Example for Practical No. 6

Steps for Mail Merge:

1. Create Main Document.
2. Create Data Source
3. Merge
4. Print or Save

Step for Mail Merge

MS – Word 2016 -> Mailing Tab -> Start Mail Merge group -> Click on Start Mail Merge dropdown -> Step by Step mail merge wizard -> On Right Side Mail Merge Panel will open up and follow the six steps:

Steps 1 – Select the appropriate document type.

Step 2 – Select starting document.

Step 3 – Select Data Source.

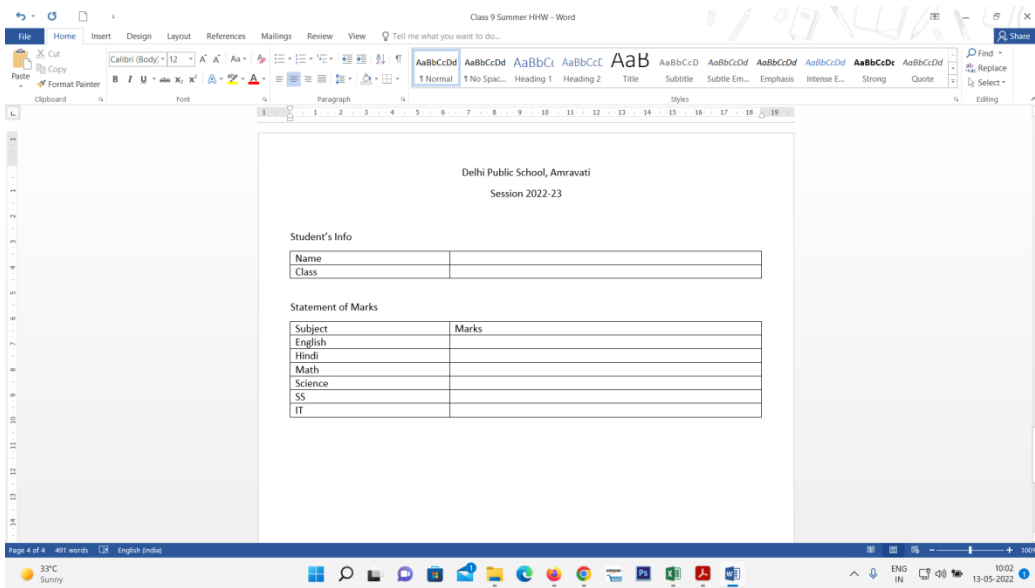
Step 4 – Write Your Letter (You don't have to perform this as you have already created the main document)

Step 5 – Insert Merge Fields at assigned places and preview your result.

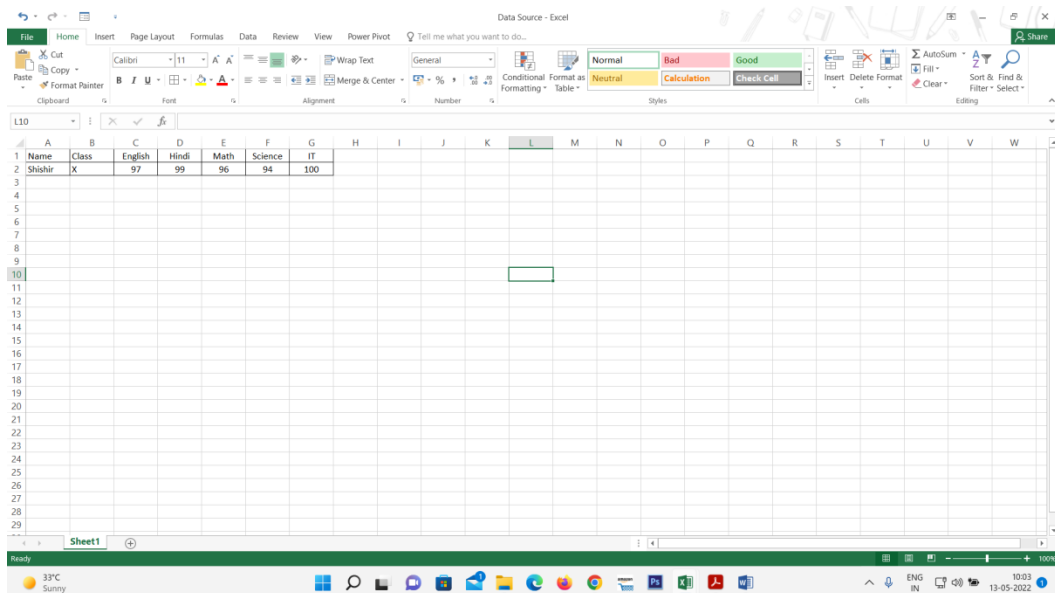
Step 6 – Complete the Merge

Screen Shots:

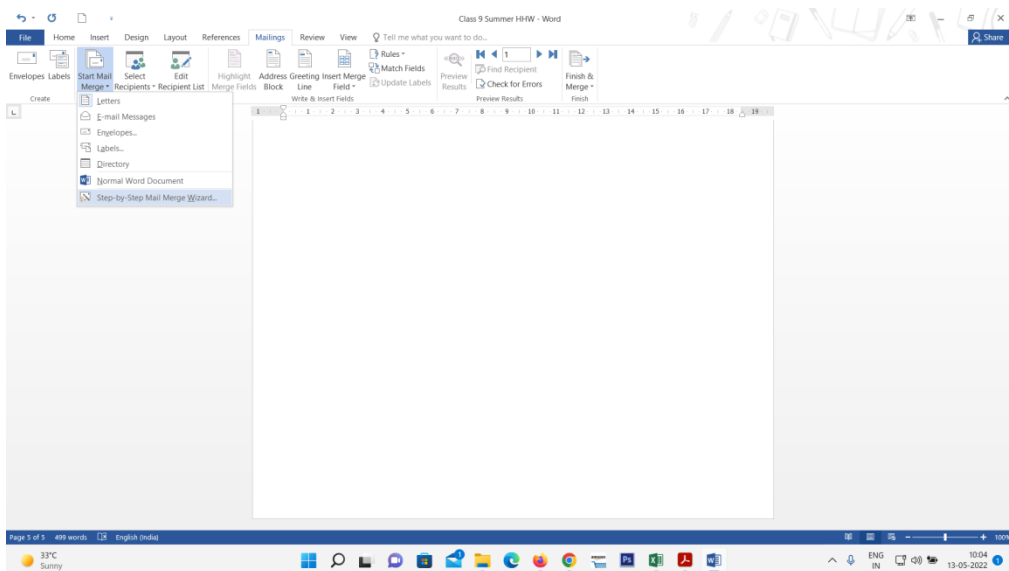
Main Document



Data Source



Step by Step Mail Merge Wizard



Insertion of Merge Fields:

Class 9 Summer HHW - Word

Delhi Public School, Amravati
Session 2022-23

Student's Info

Name	«Name»
Class	«Class»

Statement of Marks

Subject	Marks
English	«English»
Hindi	«Hindi»
Math	«Math»
Science	«Science»
SS	
IT	«IT»

Page 5 of 5 506 words English (India) 33°C Sunny 10:05 13-05-2022

Preview Result

Class 9 Summer HHW - Word

Delhi Public School, Amravati
Session 2022-23

Student's Info

Name	Shishir
Class	X

Statement of Marks

Subject	Marks
English	97
Hindi	99
Math	96
Science	94
SS	
IT	100

Page 6 of 6 512 words English (India) 33°C Sunny 10:05 13-05-2022

SUBJECT: SOCIAL SCIENCE-----

History:

PPT Making- Prepare an individual PowerPoint presentation on highlighting French Revolution.

(Parameters for assessment: Knowledge, Presentation, Skill, Research)

Political Science:

Research- 'Highlights of roles of Democracy in making and shaping of our World' in a research based study of 1000 words in a file individually. (Include diagrams, facts, figures etc.)

(Parameters for assessment: Knowledge, Presentation, Skill, and Research)

Note- Children must revise the whole syllabus covered till date.

Education is not the learning of fact....

But the training of the mind to think....

Albert Einstein