



SHIKSHA BHARATI GLOBAL SCHOOL
DWARKA



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Dear Children,

It is blazing hot in summer and we begin to look forward for our summer vacations when we can relax and spend quality time with our family and friends or in outings.

Try to develop new skills that will enhance your knowledge and will be lessons for a lifetime. It will be great if you keep some semblance of academics alive in the fun.



Guidelines for students:

1. Ensure timely submission of the given assignment after the school reopens. Remember, a well-presented holiday homework fetches your accolades.
2. Revise all the topics which have been taught by your subject teachers in the new session.
3. Books are companions of lifetime. Read good books, novels, short stories, travelogues etc. During your summer holidays. Your school library is a reservoir of variety of books.
4. Take up an activity at home that is joyful and excites you like sketching, painting, learning any musical instrument or gardening etc.

Guidelines for the parents:

1. Communication skills play a pivotal role in grooming the holistic personality of the children. Please converse with your children preferably in English to acquaint them with the language skills.
2. Please spend quality time with your children engaging them in activities based on enhancing their powers of observation, imagination and creativity.
3. Please sensitize your child about the rich culture and heritage by watching different informative channels, videos or reading books.

Stay Healthy!

Wishing you all a very enjoyable and fun-packed Summer Holidays!

Manisha Kaushal
Principal

SUMMER HOLIDAY HOMEWORK

Class: X

ENGLISH

(1) Write 50 words with meaning and make sentences of each word. And make it's cover in a different shape.

(2) Write all poetic devices used in poem - 1, 2 & 3.

(3) Write the following character sketch in 150 words with pictures.

(i) Lencho, the farmer

(ii) The Postmaster

(iii) James Herriot, the narrator

(iv) Mrs. Pumphrey

(v) Nelson Mandela

(vi) Hari Singh, the thief

(4) You are Tanvi / Shirish of Safdarjung Development Area, New Delhi. You are extreme disturbed about the attacks on old people living alone. Write a letter in 100-120 words to the Editor, 'The New Indian News' making people sensitive to the problem. Make suggestion to the people living alone and the authorities to ensure that such attacks do not take place

(5) You are Saroop Krishna, a student of S.A. Jain College. You have just returned from an extensive tour of the famine stricken areas of Haryana. Write a letter to the editor of The Tribune, Chandigarh, to the public for funds to help the (famine) victims of Rajasthan and border areas of Haryana.

(6) Revise English syllabus of Unit - Test -2 .

NOTE: Do all questions from 3 to 6 on A4 Size Sheet colour paper.

हिंदी

निर्देश:- सारा कार्य हिंदी गृहकार्य पुस्तिका में कीजिए।

प्रश्न-1- "पर्यावरण संरक्षण" विषय पर लगभग 100-120 शब्दों में एक अनुच्छेद लिखिए। इसमें पर्यावरण की वर्तमान स्थिति, उसके संरक्षण के उपाय तथा आपके व्यक्तिगत योगदान का उल्लेख कीजिए।

प्रश्न-2- "ऑनलाइन शिक्षा के लाभ और हानियाँ" विषय पर 100-120 शब्दों में एक अनुच्छेद लिखिए। इसमें विद्यार्थियों पर इसके प्रभाव तथा आपकी राय स्पष्ट कीजिए।

प्रश्न-3- आप अपने विद्यालय में खेल सामग्री की कमी से परेशान हैं। इस संबंध में प्रधानाचार्य को पत्र लिखकर नई खेल सामग्री उपलब्ध कराने का अनुरोध कीजिए।

प्रश्न-4- आपके क्षेत्र में सफाई व्यवस्था ठीक नहीं है, जिससे गंदगी और बीमारियों का खतरा बढ़ रहा है। इस समस्या के समाधान के लिए नगर निगम अधिकारी को पत्र लिखिए और उचित कार्रवाई की मांग कीजिए।

प्रश्न-5- आपके बैंक खाते से बिना आपकी जानकारी के कुछ राशि कट गई है। इस समस्या के समाधान हेतु बैंक प्रबंधक को ईमेल लिखिए। ईमेल में अपने खाते का विवरण, कटे हुए धन की जानकारी तथा उचित कार्रवाई करने का अनुरोध कीजिए। (लगभग 80-100 शब्द)

प्रश्न-6- "लालच बुरी बला है" विषय पर 80-100 शब्दों में एक लघुकथा लिखिए। कथा में किसी पात्र के लालच के कारण उत्पन्न समस्या तथा उसके परिणाम को रोचक ढंग से प्रस्तुत कीजिए।

प्रश्न-7 -निम्नलिखित वाक्य में रेखांकित पदबंध का प्रकार बताइए -

- 1-“पेड़ पर हरे-भरे पत्ते लहरा रहे हैं।”
- 2-“वह बहुत तेज दौड़ने वाला लड़का प्रतियोगिता जीत गया।”
- 3-“मैंने सुबह-सुबह उठकर पढ़ाई की।”
- 4-“बारिश के कारण मैच रद्द हो गया।”
- 5-“बहुत मेहनत करने वाले छात्र हमेशा सफल होते हैं।”

प्रश्न-8- परियोजना कार्य(अनुक्रमांक 1 से 17)

कबीर की साखियों का अध्ययन करते हुए उनके जीवन-दर्शन, नैतिक मूल्यों एवं सामाजिक संदेशों को स्पष्ट कीजिए। अपनी परियोजना में निम्नलिखित बिंदुओं को शामिल करें—

- *कबीरदास का संक्षिप्त जीवन परिचय
- *कम से कम तीन साखियाँ लिखकर उनका भावार्थ
- *साखियों में निहित शिक्षा और उनके आधुनिक जीवन में महत्व
- *अपनी व्यक्तिगत राय (आपने इन साखियों से क्या सीखा)

प्रश्न- 9- परियोजना कार्य (अनुक्रमांक 18 से 35)

मीरा के पदों का अध्ययन करते हुए उनके भक्ति भाव, कृष्ण के प्रति प्रेम तथा समाज के प्रति उनके विचारों का विस्तृत वर्णन कीजिए। अपने परियोजना कार्य में निम्न बिंदुओं को शामिल करें—

- *मीरा बाई का संक्षिप्त जीवन परिचय।
- *मीरा के पदों की प्रमुख विशेषताएँ।
- *भक्ति आंदोलन में मीरा का योगदान।
- *किसी एक प्रसिद्ध पद की अर्थ सहित व्याख्या।

प्रश्न-10- निम्नलिखित मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए।

आँखों का तारा होना, नाक कटना, दाँत खट्टे करना, हाथ-पाँव फूलना, नौ दो ग्यारह होना, आसमान सिर पर उठाना, पानी-पानी होना, नाक में दम करना, पत्रे रंगना, अक्ल के घोड़े दौड़ाना

MATHEMATICS

Do all following questions in A4 size sheet

- (1) If $LCM(a, b) = 910$ and $HCF(a, b) = 2$ where $a = 130$ then find b .
- (2) The pair of linear equations $y = 0$ and $y = -6$ has -----.
- (3) What is the LCM of smallest prime number and smallest composite number?
- (4) Find the prime factorisation the LCM of the numbers 18180 and 7575. Also, find the HCF of the two numbers.
- (5) How many zeros does $(x - 2)(x + 3)$ have ?
- (6) If the sum of the zeroes of the quadratic polynomial : $3x^2 - kx + 6$ is 3, then find the value of k .
- (7) How many polynomials can be formed with -2 and 5 as zeroes? Explain.
- (8) If one zero of the quadratic polynomial $(k-1)x^2 + kx + 1$ is -3, then find the value of k .
- (9) Find a quadratic polynomial, sum of whose zeroes is 9 and product is 14.
- (10) An AP consist of 25 terms. If the 13th term is 50, find the sum of all terms of the AP?
- (11) Given that $\sqrt{7}$ is irrational, prove that $2 + 3\sqrt{7}$ is irrational.
- (12) If a and b are two positive integers such that the least prime factor of a is 3 and the

least prime factor of b is 5. Then find the least prime factor of $(a + b)$.

(13) If α and β are the zeroes of the polynomial $x^2 - 6x + 8$, then find the value of $\alpha^3 + \beta^3$.

(14) Find the value(s) of k for which the equation $x^2 + 4kx + 16 = 0$ has real and equal roots.

(15) For what value of k will the following pair of linear equations is inconsistent; $3x + y = 1$ and $(2k - 1)x + (k - 1)y = 2k + 1$

(16) Prove that $5 - 3\sqrt{2}$ is irrational.

(17) If one root of the polynomial $f(x) = 5x^2 + 13x + k$ is reciprocal of the other, then

a) Find the value of k

b) Find sum of roots

(18) The sum of the digits of a two digit number is 9. If 27 is subtracted from the number, its digits are interchanged. Which of these is the product of the digits of the number.

(19) In a pair of supplementary angles, the greater angle exceeds the smaller by 50 degrees. Express the given situation as a system of linear equations in 2 variables and hence obtain the measures of each angle.

(20) Sum of two numbers is 105 & their difference is 45. Find the numbers.

(21) A part of monthly hostel charges is fixed and the remaining depends on the number of days one has taken food in the mess. When a student A takes food for 20 days, she has to pay Rs.1500 as hostel charges while another student B who takes food for 26 days pays Rs 1800. Find the fixed charges and cost of food.

(22) Half the difference between two numbers is 2. The sum of the greater number and twice the smaller number is 13. Find the numbers.

(23) Find the 31st term of an AP whose 11th term is 38 and the 16th term is 73.

(24) Find the sum of first 15 multiples of 8.

The first term of an AP is 5, the last term is 45 and the sum of all the terms is 400.

(25) Find the number of terms and the common difference of the AP.

SCIENCE

Biology

1. Make a colourful poster on anti drug campaign (Roll Number 1 to 12).

2. Make a colourful Poster on Plantation drive (Roll Number 13 to 26).

3. Make a poster with slogan on conservation of Water. (Roll Number 27 to 40).

4. Draw the labeled diagram of Human Heart, Excretory system, stomach, cross section of leaf and Human Respiratory System. In your note book.

Chemistry

Solve ncert exemplar of Ch-1 all question in your chemistry notebook

Physics

Numerical Challenge Diary - Practice 10-15 complex numerical problems on Mirror and Lens Formulas, including sign conventions.

SOCIAL SCIENCE

History	<p>List of areas to be located/ labeled/ identified on the map and Map pasted in notebook</p> <p>I. Congress sessions:</p> <ul style="list-style-type: none"> • 1920 Calcutta • 1920 Nagpur • 1927 Madras session <p>II. 3 Satyagraha movements:</p> <ul style="list-style-type: none"> • Kheda • Champaran • Ahmedabad mill workers <p>III. Jallianwala Bagh</p> <p>IV. Dandi March</p>																		
Geography	<p>List of areas to be located / labeled/ identified on the Map and Map pasted in notebook</p> <p>Identify:</p> <p>Iron Ore Mines</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Mayurbhanj</td> <td style="width: 33%;">Coal Mines Raniganj</td> <td style="width: 33%;">Oil Fields</td> </tr> <tr> <td>Durg</td> <td>Bokaro</td> <td>Digboi</td> </tr> <tr> <td>Bailadila</td> <td>Talcher</td> <td>Naharkatia</td> </tr> <tr> <td>Bellary</td> <td>Neyveli</td> <td>Mumbai High Bassien</td> </tr> <tr> <td>Kudremukh</td> <td></td> <td>Kalol</td> </tr> <tr> <td></td> <td></td> <td>Ankaleshwar</td> </tr> </table>	Mayurbhanj	Coal Mines Raniganj	Oil Fields	Durg	Bokaro	Digboi	Bailadila	Talcher	Naharkatia	Bellary	Neyveli	Mumbai High Bassien	Kudremukh		Kalol			Ankaleshwar
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	<p>a. Major Sea Ports</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">• Kandla</td> <td style="width: 50%;">• Tuticorin</td> </tr> <tr> <td>• Mumbai</td> <td>• Chennai</td> </tr> <tr> <td>• Marmagao</td> <td>• Visakhapatnam</td> </tr> <tr> <td>• New Mangalore</td> <td>• Paradip</td> </tr> </table>	• Kandla	• Tuticorin	• Mumbai	• Chennai	• Marmagao	• Visakhapatnam	• New Mangalore	• Paradip										
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	<p>b. International Airports</p> <ul style="list-style-type: none"> • Amritsar (Raja Sansi-Sri Guru Ram Das ji) • Delhi (Indira Gandhi) • Mumbai (Chhatrapati Shivaji) • Chennai (Meenambakkam) • Kolkata (Netaji Subhash Chandra Bose) • Hyderabad (Rajiv Gandhi) 																		

Economics	<p>Make project file on any one topic.</p> <p>a) Consumer Awareness b) Social Issues</p> <p>Note- Make a beautiful and presentable file, consisting of at least 15 pages. It carries 20 marks</p>
Political Science	<p>Draw a tree diagram showing federalism where:</p> <p>Roots = Constitution Trunk = Central Government Branches = State Governments</p> <p>Explain your drawing in 80 words. Note: To be done in your political science notebooks</p>

ARTIFICIAL INTELLIGENCE

(1) The Sustainable Development Goals (SDGs) are a set of 17 global goals adopted by the United Nations General Assembly in 2015 as part of the 2030 Agenda for Sustainable Development. They are a universal call to action to end poverty, protect the planet, and ensure that all people enjoy peace and prosperity by 2030



Create an online survey related to SDG selected by you. The questionnaire should be framed in such a way that it helps us in understanding the problem/solutions and how AI contribute to it collect responses for your online survey from your family members, neighbors and friends. Compile all the responses of the survey and take a printout of the same.

2) Write the given python programs (SET A) in Python IDLE. After coding execute the program and take the screenshot of each bug /error free code with its output, take print out and arrange them in your practical file. Submit the practical file after holidays.

