

KV SPG DWARKA

ENGLISH HOLIDAY HOME WORK MAY 2019

CLASS X

- DO 10 PAGE HANDWRITING
- MAKE A PPT ON NELSON MANDELA TO BE SHOWN IN THE CLASS.
- GIVE A CHARACTER SKETCH OF THE POST MASTER IN YOUR WORDS. DON'T YOU THINK THAT HE SHOULD HAVE DESERVE A BETTER RECOGNITION AND APPRECIATION OF HIS ACT OF CHARITY.(A LETTER TO GOD)
- DRAW A CHARACTER SKETCH OF NELSON MANDELA HIGHTLIGHING HIS STRUGGLE AGAINST THE APARTHEID REGIME FOR THE HUMAN RIGHTS OF HIS PEOPLE.
- COLLECT INFORMATION ON "DISASTER PREPAREDNESS" AND WRITE AN ARTICLE INCLUDING THE ANSWERS OF FOLLOWING QUESTIONS.
 1. WHERE DID CYCLONE FANI DEVELOP?
 2. WHAT IS THE DIFFERENCE BETWEEN A HURRICANE, TYPHOON AND A CYCLONE?
 3. WHAT IS WORLD VISION DOING TO HELP?
 4. HOW CAN I HELP PEOPLE AFFECTED BY DISASTER ?
 - READ FIRST FOUR CHAPTERS OF YOUR BOOK 'FOOTPRING WITHOUT FEET' AND WRITE CHAPTER SKETCH OF EVERY CHAPTER.

NOTE : PREPARE FOR PERIODIC TEST -1

HOLIDAY HOMEWORK

SUMMER VACATION

CLASS X (2019-20) SUB:- SCIENCE

Chemical Reactions and Equations

Q-1 A student dropped few pieces of marble in dilute HCl contained in a test tube. The gas evolved was passed through lime water. What change we observed in lime water? Wrote chemical reaction for both the changes observed.

Q-2- A aqueous solution of metal nitrate P reacts with sodium bromide solution to form yellow ppt. of compound Q which is used in photography. Q on exposure to sunlight undergoes decomposition reaction to form metal present in P along with reddish brown gas. Identify P & Q. write the chemical reaction & type of Chemical reaction.

Q-3- Why do fireflies glow at night?

Q-4- Why hydrogen peroxide is kept in coloured bottles?

Q-5- A white salt on heating decompose to give brown fumes and yellow residue is left behind. Name the salt and write the reaction involved.

Life Process

Q-6- (a) Describe the parts of our tooth with the help of a labelled diagram.

(b) what is meant by dental carries? How they are caused?

(c) What is dental Plaque ? What harm can it do ? How can the formation of plaque be prevented?

Q-7- Why do fishes die when taken out of water?

Q-8- Explain why it is dangerous to inhale air containing Carbon monoxide .

Q-9- What is hypertension ? Why is it caused ? What harm can it do?

Q-10- (a) What is meant by dialysis? What type of patients are put on dialysis ?

(b) Explain the principle of dialysis with the help of labelled diagram.

Q-11- What is meant by human circulatory system? What is meant by the terms "Single Circulation" and 'Double circulation.

Q-12- Draw a diagram of (i) Stomata (ii) Human Respiratory System (iii) Heart (iv) Human Excretory System (v) Nephron

Light (Reflection)

Q-13- State and explain the laws of reflection of light at a plane surface (like a plane mirror) with the help of labelled ray diagram. Mark the angles of 'incidence' and reflection clearly on the diagram. If the angle of reflection is 47.5° , What will be angle of incidence?

Q-14- A man stands 10m in front of a large plane mirror. How far must he walk before he is 5 m away from his image?

Q-15- Give two circumstances in which a concave mirror can form magnified image of an object placed in front of it. Illustrate your answer by drawing labelled ray diagram for both circumstances.

Q16- At what distance from a concave mirror of focal length of 10 cm, should an object be placed so that

- (a) Its real image is formed 20 cm from the mirror?
- (b) Its virtual image is formed 20 cm from the mirror?

Q-17- A object is placed 15 cm from (a) a converging mirror (b) a diverging mirror, of radius of curvature 20 cm. Calculate the image position and magnification in each case.

Q-18- Complete all the Numerical question related to Spherical mirrors?

Q-19- Write five practical based question and answers of Each practical of chapters mentioned below:-

- (i) Chemical Reaction and equation
- (ii) Life Process
- (iii) Reflection of Light

Q-20- Complete your practical record of the practical activity performed in class.

HOLIDAY HOME WORK

SOCIAL SCIENCE

CLASS - X

KV SPG DWARKA SEC – 8

1. Locate the following on the world map :-

- Austria
- Hungary
- Germany
- France
- Britain
- Russia
- Poland
- Belgium
- Netherland
- Italy

2. On the outline map of India :-

- Indian national congress sessions
- Kolkata September 1920
- Nagpur 1920
- Madras 1920
- Lahore 1920

- Chamapran movement
- Kheda

- Ahmadabad
- Amritsar
- Chora Chori
- Dandi

3. Show the outline map of India :-

- I. Major soil types
- II. Water resources
- III. Dams :-
 - a) Salal
 - b) Bhakra Nangal
 - c) Tehri
 - d) Rana pratap
 - e) Sardar Soravar Dam
 - f) Hirakund
 - g) Tungabhadra
 - h) Nagarjuna sagar
- IV. Nuclear Power plants :-
 - A) All the nuclear plants
- V. All software technology parks
- VI. North – South and South – East corridor
- VII. Ports-
 - a) Kandla
 - b) Mumbai
 - c) Jawaharlal Nehru
 - d) New Mangalore
 - e) Kochi
 - f) Chennai

g) Vishakhapatnam

h) Tuticorin

i) Marma Goa

j) Paradeep

4. Write all the important dates of all chapters .

5. Write the meanings of the following terms :-

- HDI
- Average or Per capita income
- Infant Mortality Rate
- Net attendance ratio
- NDP
- ADP
- IVRD
- UNDP

6. What do you mean by Balkan Crisis. Explain .

7. Write short note on :-

- Unification of Germany
- Unification of Italy

8. Why do we need resources. Explain .

9. Write short note on Earth Summit. Explain Agenda 21 .

हिन्दी गृहकार्य (ग्रीष्मावकाश)

कक्षा -10-

- 1-अपने विद्यालय की विशेषताएँ बताते हुए विदेश में रहनेवाले अपने मित्र को एक पत्र लिखे।
- 2-भक्तिकाल के किन्हीं दो कवियों के विषय में परिचय लिखें और तत्संबंधी चित्र लगाएँ।
- 3-संवाद लेखन :-अपनी कक्षा दस की पढ़ाई और आगामी बोर्ड की तैयारी के बारे में अपने पिताजी से की गयी बातचीत को संवाद रूप में लिखिए।
- 4-सभी रसों के स्थायी भाव,एवं दो-दो उदाहरण लिखकर याद कीजिए। ।
- 5-“अतिथि देवो भव” -विषय पर शहर और गाँव के वातावरण को ध्यान में रख कर पक्ष अथवा विपक्ष में अपने विचार प्रकट कीजिये।
- 6-सरल,मिश्र और संयुक्त वाक्य के चार-चार उदाहरण लिखिए।
- 7-निम्नलिखित वाक्यों के वाच्य पहचानकर लिखिए:-
 - i-राजीव बहुत प्रसन्न है।
 - ii-प्राची के द्वारा गरम काफ़ी पी गई।
 - iii-मीना से उठा भी नहीं जा रहा।
 - iv-राहुल ने शिक्षिका से प्रश्न किया।
 - v-वंदना द्वारा पौधों को सींचा गया।
- 8 व्याकरण पुस्तक से चुने हुए एक गद्यांश एवं एक पद्यांश से संबन्धित प्रश्नों के उत्तर दीजिए।

Dear students,

Vacations are the time to refresh .This year is the most important year of your career so use your time judiciously and balance your time for studies and outdoor activities for healthy mind in healthy body. Here are some questions for your practice for better performance in board examinations . All the best

LINEAR EQUATIONS

- 12 men and 20 women can finish making pots in 16 days, while the 8 men and 12 women can finish it in 124 days. Find the time taken by the one man alone from that of one woman alone to finish the work.
- A ship covers 140 kms in upstream and 200 kms downstream in 70 hours. Also it covers 22 kms upstream and 34 kms downstream in 10 hours. Find the speed of the boat in still water and of that the stream.
- Draw the graph of $4x+2y=12$ and $4x-2y+4=0$. Shade the region bounded by these lines and x axis. Find the area of the shaded region
- When you add two numbers and the number obtained by reversing the order of its digits is 165. If the both numbers differ by three, find thrice of number.
- A number say "n" is exactly the four times the sum of its digits and twice the product of the digits. Find the numbers.
- Solve graphically $4x-3y+4=0$, $4x+3y-30=0$
- There are two points on a highway K and V. They are 70 km apart. A car starts from K and another car starts from V simultaneously. If they travel in the same direction, they meet in 7 hours, but if they travel towards each other they meet in 1 hour. Find the speed if the two cars.
- A diver rowing at the rate of 5 km/h in still water takes double the time in going 40 km upstream as in going 40 km downstream. Find the speed of the stream.
- The larger of two complementary angles exceeds thrice the smaller by 20 degrees. Find them.
- The sum of two children is 'a'. The age of the mother is twice the 'a', After twenty years, her age will be equal to the addition of the ages of his children. Find the age of mother.

POLYNOMIALS

- If one zero of the polynomial $5z^2 + 13z - q$ is reciprocal of the other, then find q.
- If the product of two zeroes of polynomial $2x^3 + 3x^2 - 5x - 6$ is 3, then find its all zeroes.
- Find the polynomial of least degree which should be subtracted from the polynomial $x^4 + 2x^3 - 4x^2 + 6x - 5$ so that it is exactly divisible by $x^2 - x + 1$.
- Is polynomial $y^4 + 4y^2 + 5$ have zeroes or not? Give reasons to support your answer
- Write a quadratic polynomial, sum of whose zeroes is 2 and product is 5.

6. Write the zeroes of the polynomial $x^2 + 2x - 1$.
7. If the zeroes of the polynomial $f(x) = x^3 - 12x^2 + 39x + a$ are in AP, find the value of a^2 .
8. A polynomial $g(x)$ of degree zero is added to the polynomial $2x^3 + 5x^2 - 14x + 10$ so that it becomes exactly divisible by $2x - 3$. Find the $g(x)$.
9. Find the zeroes of the quadratic polynomial $x^2 + 5x + 6$ and verify the relationship between the zeroes and the coefficients.
10. If the zeroes of polynomial $x^3 - ax^2 + bx - c$ are in AP then show that $2a^3 - 9ab + 27c = 0$
11. If 1 and -1 are zeroes of polynomial $ax^4 + bx^3 + cx^2 + Rx + P$, show that $a + b + c = 0$
12. Draw graph of the function $f(x) = -2x^2 + 4x$.