

केन्द्रीय विद्यालय उ.व.अ.स.जबलपुर

ग्रीष्मावकाश गृहकार्य (हिन्दी)

कक्षा-10 (2021-22)

1. - प्रतिदिन 1 पेज सुलेख लिखें |
- 2.- पाठ - 1 (सूरदास के पद), पाठ -2 (राम-लक्ष्मण-परशुराम संवाद) को ध्यानपूर्वक पढ़े व प्रश्न उत्तर याद करें |
3. - पाठ - 10 (नेताजी का चश्मा), पाठ-11 (बालगोविन भगत) पाठ को ध्यानपूर्वक पढ़े व प्रश्न उत्तर याद करें |
- 4.-आपके आसपास नगरपालिका कौन -कौन से कार्य करवाती है? आप भी नगर की सफाई में अपना योगदान किस प्रकार देते हैं ? अपने शब्दों में लिखें |
- 5.- नेताजी सुभाषचंद्र बोस के व्यक्तित्व और कृतित्व पर एक प्रोजेक्ट बनाए |
- 6.- 'बालगोविन भगत' पाठ में ऋतुओं के बहुत ही सुंदर शब्द-चित्र उकेरे गए हैं | बदलते हुए मौसम को दर्शाते हुए चित्र/फोटो का संग्रह कर एक अलबम तैयार कीजिये | (चित्र ना मिलने पर आप चित्र बनाकर भी लगा सकते हैं)
7. - निम्नलिखित विषय पर विज्ञापन तैयार कीजिये :-
 - (i) पर्यावरण के प्रति जागरूकता बढ़ाने के लिए एक विज्ञापन तैयार कीजिये |
 - (ii) फुल मार्क्स की पुस्तकों की बिक्री बढ़ाने हेतु एक विज्ञापन तैयार कीजिये |
 - (iii) आपको अपना घर बेचना है |उसकी खूबियाँ बताते हुए एक आकर्षक विज्ञापन तैयार कीजिये |
 - (iv) अपने आस-पास सफाई रखने की जागरूकता बढ़ाने वाला एक विज्ञापन तैयार कीजिये |
 - (v) धूम्रपान को रोकने के लिए उसकी हानियाँ बताते हुए एक विज्ञापन तैयार कीजिये |
- 8.- निम्नलिखित विषयों पर अनुच्छेद लिखें :-
 - (i) पर्यावरण प्रदूषण
 - (ii) मेरे जीवन का लक्ष्य |
- 9.- अपने क्षेत्र से सम्बंधित किसी प्रसिद्ध व्यक्तित्व पर एक लिखें |
- 10.- अपने स्कूल पर एक स्लोगन लिखें |

KENDRIYA VIDYALAYA TFR

SUMMER VACATIONS: HOLIDAY HOMEWORK 2021-22

SUBJECT: SOCIAL SCIENCE

CLASS 10th

1. Make **collage** of Freedom Fighters and write about 5 Freedom Fighters and their roles in Indian Freedom Struggle. (on 1/2 half chart paper)
2. ECONOMICS:-
 - a) All about the sectors- Primary, Secondary, Tertiary and their Importance of all these sectors
3. Make an **Album** of different cultural activities and celebrations held at school premise in past years.
4. Stick a map of Europe and write a short note on Unification of Germany and Italy.
5. Make a collage of Historical places and festivals of Nagaland in your EBSB copy
(India- Unity In Diversity)
6. MAP WORK
 - a) History-The place where the Indian National Congress Session of September 1920 was held.
 - b) The place where the Indian National Congress Session was held in 1927
 - c) The place associated with peasants' Satyagraha
 - d) Name the State where the Indigo planters organised Satyagraha
 - e) The City associated with JallianwalaBagh incident
7. Revise all the chapters and their exercise completed till now.
8. On the basis of reading Chapter-1 of Political Science i.e. "Power Sharing", make at least 10 additional questions covering the whole chapter and solve them in the fair notebook of Political Science. (5 Very Short Answers, 3 Short Answers and 2 Long Answers).
9. Identify the picture and write in 100 to 150 words.



हिंदी माध्यम में

1. स्वतंत्रता सेनानियों का कोलाज बनाएं और भारतीय स्वतंत्रता संग्राम में 5 स्वतंत्रता सेनानियों और उनकी भूमिकाओं के बारे में लिखें।
2. आर्थिक: -
 - क) सभी क्षेत्रों के बारे में- प्राथमिक, माध्यमिक, तृतीयक और इन सभी क्षेत्रों का उनका महत्व
3. पिछले वर्षों में स्कूल परिसर में आयोजित विभिन्न सांस्कृतिक गतिविधियों और समारोहों का एक एल्बम बनाएं।
4. यूरोप का एक नक्शा चिपकाएं और जर्मनी और इटली के एकीकरण पर एक छोटा नोट लिखें।
5. अपनी ईबीएसबी कॉपी में नागालैंड के ऐतिहासिक स्थानों और त्योहारों का एक कॉलेज बनाएं (भारत-विविधता में एकता)
6. मानचित्र कार्य
 - a) सितंबर 1920 का भारतीय राष्ट्रीय कांग्रेस सत्र आयोजित किया गया था।
 - b) वह स्थान जहाँ 1927 में भारतीय राष्ट्रीय कांग्रेस का अधिवेशन हुआ था
 - c) किसानों के सत्याग्रह से संबंधित जगह
 - d) उस राज्य का नाम बताइए जहाँ इंडिगो प्लांटर्स ने सत्याग्रह का आयोजन किया था
 - e) जलियांवाला बाग की घटना से जुड़ा शहर

7. राजनीति विज्ञान के अध्याय -1 को पढ़ने के आधार पर अर्थात्।

"सत्ता की साझेदारी", पूरे अध्याय को कवर करने वाले कम से कम 10 अतिरिक्त प्रश्न करें और राजनीति विज्ञान की नोटबुक में उन्हें हल करें। (5 अति लघु प्रश्न, ३ लघु प्रश्न, 2 दीर्घ प्रश्न)

8. चित्र को पहचानें और 100 से 150 शब्दों में लिखें।

SUMMER VACATION HOLIDAY HOME- WORK (SCIENCE)

Class 10

Q1. Name the following:

- a) the process in plants that link light energy with chemical energy.
- b) The cell organelle where photosynthesis occurs
- c) Cell that surround a stomatal pore
- d) An enzyme secreted from gastric glands in stomach that act on proteins.

Q2. Name the correct substrates for the following enzymes:

- a) Trypsin
- b) Amylase
- c) Pepsin
- d) Lipase

Q3. Explain the three pathways of breakdown in living organisms

Q4. Describe the process of urine formation in kidneys?

Q5. Expand the following:

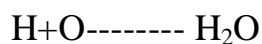
- a) ATP

- b) ADP
- c) NADP
- d) RUBP

Q6. Answer the following question:

- a) Write the formula of limestone?
- b) Name the element present in it?
- c) Which gas do we get when limestone is heated strongly?

Q7. What is wrong in the following equation?



Correct and balance it.

Q8. List the following as exothermic or endothermic reaction:

- a) Temperature of water increases on adding sulphuric acid to it.
- b) Heat is absorbed when water evaporates.
- c) Temperature drops when ammonium chloride dissolves in water.

Q9. Name the type of chemical reaction when

- a) Water is subjected to electrolysis.
- b) Calcium carbonate is heated
- c) Silver bromide is exposed to sunlight

Q10. Why does aluminium not undergoes corrosion but iron does?

Q11. Name the substance oxidized, reduced, oxidizing agent, reducing agent in the following:



Q13. What is combination reaction?

Q14. What is decomposition reaction?

Q15) Draw a sectional view of the human heart and label on it the following parts:

i) Aorta

ii) Pulmonary arteries

iii) Vena cava from upper body

iv) Left ventricle

b) why is double circulation of blood necessary in human beings?

Q16)

i) Leaves of a healthy potted plant were coated with Vaseline to block the stomata. Will this plant remain healthy for long? State three reasons for your answer.

ii) state any two differences between autotrophic and heterotrophic nutrition.

Q17) what is displacement reaction

Q18) what is double displacement reaction

Q19) Written assignment from “chemical reaction and equations”, “life processes”

a) 10 very short question answers (1 mark each)

b) 5 short question answers (2 mark each)

c) 5 question answers (3 mark each)

d) 2 question answer (5 mark each)

Q26. Prepare minimum 20 MCQs from the chapter "life process"

Q27. Read the passage and answer the following question:

Clean a magnesium ribbon about 2 cm long by rubbing it with a sand paper. Hold it with a pair of tongs. Burn it using a spirit lamp or burner and collect the ash so formed in a watch glass. Burn the magnesium ribbon keeping it as far as possible from our eye. What do you observe?

Q1. What is the symbol of magnesium?

Q2. Why the magnesium ribbon is rubbed with a sand paper?

Q3. Name the ash formed as a result of burning of magnesium ribbon?

Q4. Name the elements present in the ash formed?

Q5. What is your observation?

PROJECTS:

Q28. Write articles with pictures on

- a) Pollution of the ganga and ganga action plan
- b) Chipko andolan
- c) Narmada bachao andolan

Why is it necessary to manage our natural resources? Suggest your view points?

Q29. My favorite scientist? Why he is your favorite? Explain his invention?

Q30. To make a mind map on types of reaction?

Q31. Draw the diagram of human digestive system, human respiratory system?

Q32. Submission of Ppt on LIGHT?

Q33. Collect/download periodic table (on A4 sheet) and learn names and symbols of common elements as many as you can (minimum 50 elements)?

SOLVE THE PAPER:

M.M=40

Q1. Write the characteristics of a chemical reaction?(1)

Q2. What is redox reaction? (1)

Q3. Name the excretory organ in humans? (1)

Q4. Why should a magnesium ribbon be cleaned before burning in air?
(2)

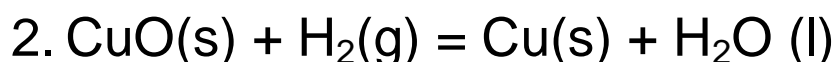
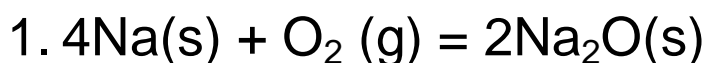
Q5. **Difference between:**
(2)

a) Exothermic and endothermic reaction

b) Autotrophic and heterotrophic nutrition

Q6. Identify the substance that are oxidized and reduced in the following reactions with reducing and oxidizing agent:

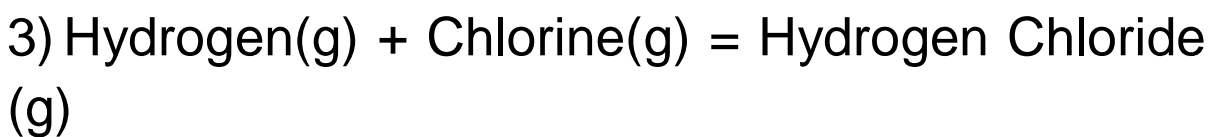
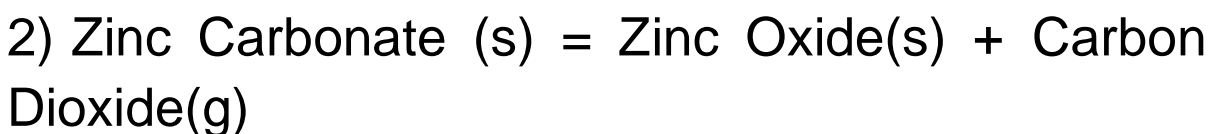
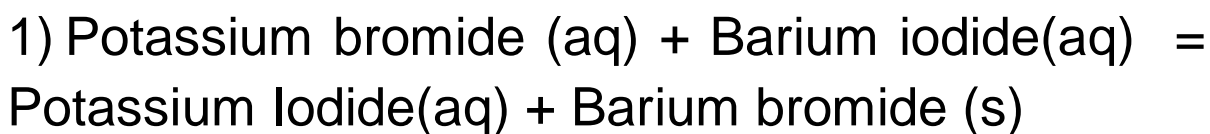
(2)



Q7. How many 176 Ω resistors (in parallel) are required to carry 5A on a 220 V line? (2)

Q9. Identify the type of reaction in each case and give one more example of each:

(3)



Q10. Explain the process of breakdown of glucose in a cell

a) In the presence of oxygen

b) In the absence of oxygen
(3)

Q12. draw diagram of human heart (3)

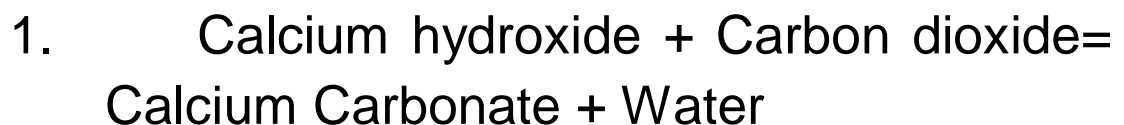
Q13. Which part of the digestive canal is involved in:

(05)

- a) Absorption of food
- b) Chewing of food
- c) Killing of bacteria
- d) Complete digestion of food
- e) Formation of faeces

Draw the human digestive system and label these parts?

Q14. Write balanced chemical equation for the following with their physical states: (05)



2. Aluminium + Copper chloride = Aluminium chloride + Copper
3. Magnesium + Oxygen = Magnesium Oxide
4. Methane + Oxygen = carbon dioxide + water
5. Glucose + oxygen = carbon dioxide + water + energy

Q15. Draw the structure of excretory unit of a human kidney and label the following (5)

- 1) Bowman's capsule
- 2) Glomerulus
- 3) Collecting duct
- 4) Renal artery

Kendriya Vidyalaya TFRI Jabalpur

Holiday Home work Maths (2021-22)

Class : X

Q.1 Find the LCM and HCF of 12, 72 and 120 using Prime Factorization Method

Q.2 Prove that $\sqrt{3}$ is an irrational number.

Q.3 Write down the decimal expansion of $\frac{16}{3125}$ without actually division.

Q.4 Use Euclid's division Lemma to show that the cube of any positive integers is of the form $9m$, $9m+1$ or $9m+8$.

Q.5 Define:-

(a) Euclid's division Lemma (b) Rational numbers (c) fundamental theorem of Arithmetic (d) Prime numbers (e) Composite numbers. (f)

Q.6 Write all the Identities of Algebraic expression.

Q.7 Define :-

(a) Linear Polynomial (b) Quadratic Polynomial (c) Cubic Polynomial , also write one example of each.

Q.8 What is the Geometric meaning of Zeroes of Polynomial? Write relation of Zeroes of quadratic polynomial with their coefficients.

Q.9 Write the summary of the chapter of polynomial.

Q.10 Write the summary of the chapter of Real Numbers.

Q.11 Write the name of different methods of solving of pair of linear equations in two variables.

Q.12 Define Similar and congruent figures and draw them

Q.13 Write Pythagoras Theorem and draw the related figure.

Q.14 Write the definition of Scalene, equilateral and isosceles triangles and draw the figures.

Q.15 Write Biography of Aryabhata and his contribution in Mathematics.

Q.16 Write all the theorems (statement) of chapter triangles on a chart paper.

Q.17 Write all the formulae on a chart paper of Introduction to Trigonometry.

Q.18 Draw the table on a chart paper of page 185 .Chapter 8.

Q.19 Write all the formulae used in chapter statistics of a chart paper.

Q.21 Find the zeroes of the quadratic polynomial

$X^2 + 7x + 10$ and verify the relationship between zeroes and its coefficients.

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PROJECTS

1. Make formula cards of each lessons of class X of Maths book.
2. Draw Trigonometric table from 0° to 90° from $\sin\theta$ to $\operatorname{cosec}\theta$.
3. Draw the figures of the zeroes of polynomials on the graph paper on chart.
4. Draw or paste of different types of playing cards on chart paper as spade,diamond , hearts and clubs.
5. Draw the pictures of Indian Mathematicians on a chart paper
6. Write biography of Indian Mathematicians and their contribution in Mathematics.
7. Write the formulae of the following.
8. (a) Area and Perimeter of square and rectangle.
(b) Area and Perimeter of Triangle Rhombus and Trapezium
(c)Surface area and volume of (i) Cube (ii) Cuboid (iii) sphere (iv) Cylinder
(v) cone

Also draw the figures of each on chart paper.

WORK TO BE DONE DURING SUMMER HOLIDAYS

CLASS: X (2021-22) ENGLISH

1. Download the App “NCERT BOOKS” in your desktop/ laptop/mobile. It contains all the ncert books with new syllabus for this cbse session.
2. **FIRST FLIGHT:** Read Chapter: 1, 2 & 3 and write down all the question answers in your holiday homework notebook including comprehension questions, exercise and long answer type questions.
3. **POETRY:** Recite Poem: 1 & 2 and write down all the question answers in your holiday homework notebook including comprehension questions, exercise and long answer type questions.
4. **FOOT PRINTA WITHOUT FEET:** Read Chapter: 1 & 2 and write down all the question answers in your holiday homework notebook including comprehension questions, exercise and long answer type questions.
5. **PROJECT WORK (MAPPING):** Prepare a chart or Album by collecting historical achievements / popular personalities of Jabalpur. Write short passages about your collection.

6. **WRITING SECTION:**

A) Article writing: write down 10 articles in your notebook on the following topics:

- 1.) your contribution to make the world a beautiful place to live
- 2.) Exam stress
- 3.) laughter is the best medicine
4. water conservation
- 5.) science in modern life
- 6.) global warming
- 7.) Do we really need junk food
- 8.) Clean India campaign
- 9.) What according to you is True Indian culture
- 10.)During the Quarantine Period what changes do you felt within yourself to make you a better person

7. **B) Letter to Editor:** After writing all the above 10 articles, put them in letter to editor format
8. **C) Story Writing:** Write 10 short stories by your own where you are the central character.
9. After the end of the lockdown period, purchase “All In One” new edition for English and practice grammar i.e **Determiners, Preposition, word omission & Error correction.**

Note: If you find anything difficult to understand, you can ask for extra online class during vacations.

*****Happy Holidays & Stay Safe*****