

SUBJ.	
English	<ol style="list-style-type: none"> 1. Prepare syllabus of April and May for Unit Test. 2. Listen to the News Hour Debate in English on Television to improve your pronunciation and word power. 3. Sample paper- creative kids Do the following in the book- <ol style="list-style-type: none"> a) Reading section- Practice Assignment (1- 10) c) Formal letter writing – Pg. 97- 103,144,146 b) Article writing- Classroom Assignment (1- 4) d) Story Writing- Classroom Assignment (1- 5) e) Grammar: <ol style="list-style-type: none"> 1. Gap Filling- Pg. 238- 243 2. Editing- Pg. 261- 266 3. Omission- Pg. 267- 270 4. Sentence Reordering- Pg. 273- 274
Social Studies	<ol style="list-style-type: none"> I. Learn entire work which has been completed in class. II. Make a project on Consumer Rights. III. Do the following assignment in assignment copy. <ol style="list-style-type: none"> 1) Write three causes of soil erosion. 2) Why are resources necessary for human beings? 3) Distinguish between:- <ol style="list-style-type: none"> a) Bangar and khadar b)Renewable and non-Renewable resources. 4. Write features of black and laterite soils. 5. What causes are responsible for land degradation? How to conserve it? Explain. 6. Explain unification of Great Britain . 7. Who suppressed the initiatives of Liberal Nationalism? 8. Choose three examples to show the construction of culture to the growth of nationalism in Europe. 9. What steps did the French revolutionaries take to create a sense of collective identity among the French people ? 10. Who were the members of Jacobin club ? 11. What is the ethnic composition of capital city Brussels ? 12. What is a civil war ? 13. When did Sri Lanka emerged as an independent country? 14. What is Unitary system? Distinguish between Unitary govt. and Federal form of govt. 15. How are the powers divided between the states and the centre? Explain with example. 16. List a few examples of environmental degradation that you have observed around you. 17. How do you calculate per capita income ? 18. What is main criterion used by the world bank for different countries ? What are the limitation of this criterion, if any? 19. Money cannot buy everything that one needs to live? Explain. 20. Why is the issue of sustainability important for development? Explain.
Draw.	<ol style="list-style-type: none"> 1. Make a mobile fish hanging using plastic bottles. Pg(118) 2. Make a colourful print on bed sheet or Tshirt by tie and dye design. 3. Make a face mark(any Animal or God) using P.O.P or cement. 4. Make a colourful earthen pan by acrylic colours.

Chemistry

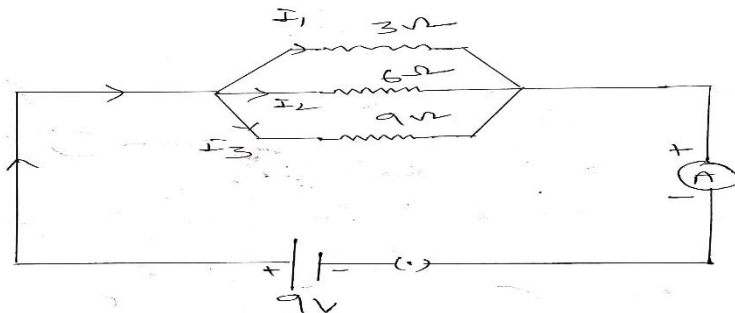
1. What is oxidation reaction .Give example .Is oxidation exothermic or endothermic
2. Name the reducing agent that can be used to obtain manganese from manganese dioxide .Write balanced chemical equation for the reaction.
3. What is the colour of ferrous sulphate crystals. How does the colour change upon heating .
4. What is combination reaction .give example which is also exothermic .
5. Balance the given equation ; $\text{Pb}(\text{NO}_3)_2 \rightarrow \text{PbO} + \text{NO}_2 + \text{O}_2$
6. What is observed when solution of potassium iodide is added to a solution of lead nitrate in a test tube. What type of reaction is this.
7. In the electrolysis of water. Why is volume of gas collected over an electrode is double than that of gas collected over other electrode.
8. Why do potato chips manufacturer fill the packet with nitrogen gas.
9. Write a short note on corrosion.

Biology:-

1. Explain nutrition in amoeba.
2. What is double circulation in human beings
3. Draw the diagram to show open and closed stomata
 - a. State two function of stomata
 - b. How do guard cell regulate the opening and closing of stomatal pore.
4. a. How does exchange of respiratory gases and carbon dioxide takes place between lungs and blood in human beings.
 - b. Name the respiratory pigment in humans. Where it is Present?
5. Make a working model on the given topic.
6. Write Expt. No. 2 and 3 in lab manual.

Physics :

1. Calculate the current in a) 3 ohm resistor b. 6 ohm resistor c. 9 ohm resistor d. Also calculate the resistance of the circuit.



2. Calculate electric energy consumed by 120 W toaster in 20 minute
3. State ohms law .Draw a circuit diagram which consists of battery ,ammeter ,voltmeter ,resistor rheostat and a key .
4. Why it is not advisable to handle high voltage electric circuit with wet hands .
5. Why is tungsten used for the filament in electric bulb
6. Which wire is generally used for making an electric fuse .
7. What s meant by the statement that the rating of fuse in a circuit is 5A
8. Why are electric bulbs filled with chemically inactive nitrogen or argon .
9. Should the heating element of an electric iron be made of iron ,silver or nichrome wire
10. Make a working model on electricity.

- a) Make a report on at least 10 Services provided by internet in a decorative way.(Do in project file)
- b) Make PPT on different types of Web browsers and their comparative features (8slides), take print out and paste in project file.

Note: To enhance your typing practice do the following:

- c) Type two pages on Database Management System in MS-Word. Take print out and paste it in your notebook.

Instruction:(i) Use all 10 fingers while typing.

(ii) Use font – Times New Roman.

(iii) Font Size – 12, Line spacing : 1

- 1 आत्मकथात्मक शैली में अपने बचपन के रोचक प्रसंगों का उल्लेख कीजिए । (सचित्र)
- 2 आपका मित्र शिमला में रहता है । आप उसके आमंत्रण पर ग्रीष्मावकाश में वहाँ गए थे और पर्वतीय सौंदर्य का खूब आनंद उठाया था । घर वापस लौटने पर कृतज्ञता व्यक्त करते हुए मित्र को पत्र लिखिए ।
- 3 "विज्ञापन और हमारा जीवन" - विषय पर निबंध लिखिए । (शब्द सीमा - 300)
- 4 रेखांकित उपवाक्य का भेद लिखिए -
 - (क) जब पानी बरसने लगा , तब मैं तुरंत लौट आया ।
 - (ख) जो अध्यापक हिन्दी पढ़ाते हैं , वो मेरे पिताजी हैं ।
 - (ग) वह छात्र उत्तीर्ण हो गया , जो कल यहाँ आया था ।
 - (घ) मेरे जीवन का लक्ष्य है , कि मैं अध्यापक बनूँ ।
- 5 रचना के आधार पर वाक्य भेद बताइए -
 - (क) जहाँ मैं रहता हूँ , वहाँ अब कोई नहीं रहता ।
 - (ख) मैं भी आपके साथ चलता किंतु मेरा स्वास्थ्य ठीक नहीं है ।
 - (ग) जल्दी चलिए अन्यथा बहुत देर हो जाएगी ।
 - (घ) गीता आपको अपना बड़ा भाई मानती है ।
- 6 निर्देशानुसार वाक्य परिवर्तन कीजिए ।
 - (क) मैं अख़बार पढ़ता हूँ । (कर्मवाच्य में)
 - (ख) पुलिस द्वारा अपराधी को बहुत पीटा गया । (कर्तृवाच्य में)
 - (ग) वह चल नहीं सकता । (भाववाच्य में)
 - (घ) अध्यापक ने विद्यार्थी को पढ़ाया । (कर्मवाच्य में)
- 7 अप्रैल से मई तक का पाठ्यक्रम इकाई परीक्षा हेतु याद करें ।
- 8 संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, संबंधबोधक, विस्मयादिबोधक के भेद याद करें तथा उत्तर पुस्तिका में चार्ट बनायें ।

- Q1. Solve for x :
- a. $37x + 43y = 123$, $43x + 37y = 117$ b. $\frac{1}{3x+2x} - \frac{1}{3x-2y} = \frac{1}{8}$
- c. $\frac{3}{3x+2y} - \frac{1}{3x-2y} = \frac{1}{2}$; $3x + 2y \neq 0$, $3x - 2y \neq 0$
- Q2. For what value of k, the following linear equation has no solution?
 $3x + y = 1$; $(2k - 1)x + (k - 1)y = 2k+1$
- Q3. Solve the following system of linear equations by cross multiplication:
 $2(ax - by) + (a + 4b) = 0$, $2(bx + ay) + (b - 4a) = 0$
- Q4. A person travels 600km partly by train and partly by car. If he covers 400 km by train and the rest by car, it takes 6 hr 30 min. But, if he travels 200 km by train and the rest by car, he takes half an hour longer. Find the speed of the car and that of the train.
- Q5. A bird flying in the same direction as that of the wind, covers a distance of 45 km in 2hr 30min. But it takes 4hrs 30min to cover the same distance when it flies against the direction of the wind. Ignoring conditions other than the wind conditions, find:
 i. the speed of the bird in still air.
 ii. the speed of the wind.
- Q6. The Resident Welfare Association of a colony decided to build two straight paths in their neighbourhood park such that they do not cross each other, to plant trees along the boundary lines of each path. One of the members of Association Neelam suggested that paths should be constructed (represented) by the two linear equations one $x - 3y = 2$ and $- 2x + 6y = 5$. Check whether the two paths will cross each other or not. What value is depicted from this action?
- Q7. Solve for x : (a) $\frac{4}{x} - 3 = \frac{5}{2x+3}$ (b) $\frac{16}{x} - 1 = \frac{15}{x+1}$
 (c) $\frac{1}{x-3} + \frac{2}{x-2} = \frac{8}{x}$ (d) $\frac{1}{x+1} + \frac{2}{x+2} = \frac{4}{x+4}$

- Q8.** Find 'k'.if $(k+4)x^2 + (k+1)x + 1 = 0$ has equal roots . Also find roots.
- Q9.** What type of roots exist for quadratic equation $2x^2 - \sqrt{5}x + 1 = 0$
- Q10.** Find 'k'.if $(k+4)x^2 + (k+1)x + 1 = 0$ has equal roots . Also find roots.
- Q11.** $(b - c)x^2 + (c - a)x + (a - b) = 0$ has equal roots. Prove that $2b = a + c$
- Q12.** $2a^2x^2 + b(6a^2 + 1)x + 3b^2 = 0$. Solve equation by quadratic formulae.
- Q13.** $(1 + m^2)x^2 + 2mcx + (c^2 - a^2) = 0$ has equal roots. Prove that $c^2 = a^2(1 + m^2)$.
- Q14.** Find the perimeter of triangle whose vertices are A (0,4) B (0,0) C (3,0).
- Q15.** Find the the value of k, if the points (8,1) (3,-4) (2,k) are collinear.
- Q16.** Two vertices of an equilateral triangle are (-2,0) (2,0). Find the 3rd vertex.
- Q17.** Find the area of the triangle formed by joining the mid-points of the sides of the triangle whose vertices are (0,1) (2,1) (0,3).
- Q18.** Name the quadrilateral whose vertices are A (2,3) B (-2,2) C (-1,-2) D (3,-1).
- Q19.** (i) Find k if A (8,1) B (3,-4) C (2,k) are collinear.
(ii) Prove that point (2,-2) (1,2) and (-1,4) are collinear.
(iii) Three points are collinear (5,2) (-3,-4) (x,y). Then, Prove that $3x+y-7=0$.
- Q20.** Name the triangle whose vertices are A (12,8) B (-2,6) C (6,0).
- Q21.** Show that the mid-point of hypotenuse is equidistant from the angular point.
- Q22.** If (2,1) (3,4) (0,1) are the vertices taken in order by parallelogram. Find the vertex.
- Q23.** The co-ordinates of the centroid of a triangle are (1,4) and two of its vertices are (-8,6) and (9,5). Find the third vertex.
- Q24.** (i). Find the point of x-axis which is equidistant from the point (8,4) and (-2,3) and also find the area of the triangle formed by the points.
(ii) Find the ratio in which the line $2x+3y-5=0$ divide the line segment on the point (8,-9) (2,1), also the co-ordinate of point of division.
- Q25.** If P (2,-1) Q (3,4) R (-2,3) and S (-3,-2) meet the four points in a plane. Show that PORS is a rhombus not a square.
- Note;** 1. Lab activity 8, 11, 17, 20 in lab manual
2. do assignment based on ch-3, 4, 7 in assignment ragister .
3. Revise UT-2 syllabus .

- 1) 5 अपठित गद्यांश
- 2) 5 पत्रलेखन
- 3) 5 चित्रलेखन (H.H.W. COPY)
- 4) व्यंजन संधि की परिभाषा, भेद एवं 10 उदाहरण चार्टपेपर पर कलात्मक तरीके से लिखिए।
- 5) समास की परिभाषा भेद एवं उदाहरण लिखिए।(H.H.W COPY)
- 6) "स्वपरिचयः" 10 वाक्य सचित्र लिखिए |(PROJECT FILE)
- 7) पाठ 1,2,3,4, अभ्यास सहित,कॉपी में कीजिए।
- 8) नीतिशतक के कोई 4 श्लोक कॉपी में कीजिए।

"Wish you happy and enjoyable Holidays"