



DAV MPS Patratu, Rajpur, Dist. Balrampur (C.G.)

Summer Vacation Home work/Project Assessment Session 2024-25

Class – X

S.No.	Subject	Home work/Projects/Models/Assessment
1.	ENGLISH	(1) Make Model of any scene from the story "Two Gentlemen of Verona"
2.	HINDI	<p><u>क्षितिज –</u></p> <ul style="list-style-type: none">• पाठ-1 (सूरदास के पद) के भावार्थ का अध्ययन करना है तथा उसकी सप्रसंग व्याख्या व संबंधित प्रश्नोत्तर नोट्स कॉपी में लिखना है। संबंधित पाठ के लेखक का जीवन परिचय भी लिखना है।• पाठ-10 (नेताजी का चश्मा) का अध्ययन व प्रश्नोत्तर नोट्स कॉपी में लिखना है। संबंधित पाठ के लेखक का जीवन परिचय भी लिखना है।• पाठ-11 (बालगोबिन भगत) का अध्ययन व प्रश्नोत्तर नोट्स कॉपी में लिखना है। संबंधित पाठ के लेखक का जीवन परिचय भी लिखना है।• उक्त तीनों पाठों का अध्ययन करके आना है। स्कूल वापसी के पश्चात् आपको मौखिक व लिखित परीक्षा देनी होगी।
3.	MATHEMATICS	** KINDLY SEE THE WHATSAPP GROUP as file name "Mathematics Summer Vacation HW 2024-25".**
4.	SCIENCE	<p><u>PHYSICS:</u></p> <ol style="list-style-type: none">1. Solve any 10 numerical problems related to Chapter – Reflection of Light.2. Make chart consisting position, nature and size image formed by spherical mirrors when object placed at various positions from the mirror. <p><u>CHEMISTRY:</u></p> <ol style="list-style-type: none">1. Write two balance chemical equations each for different types of chemical reactions2. Draw a diagram to show photochemical decomposition of silver bromide <p><u>BIOLOGY:</u></p> <ol style="list-style-type: none">1. Solve the questions of chapter Life Processes and write down the important topic from your NCERT books in the Notes copy.2. Make a chart paper project or model from life process and control & Coordination etc.3. Write all the answer of the question of Lesson - Nutrition from NCERT Book (In text and exercise question.)
5.	SOCIAL SCIENCE	<p><u>Geography:</u></p> <p># Map Skills (Show on outline map of India): (a) Alluvial Soil (b) Black Soil (c) Desert</p> <p><u>History:</u></p> <p># Map Skills (Show on outline map of India): Congress Session (a) 1929 (b) September 1920 (c) December 1920 (d) 1927</p> <p>Prepare list of important events during the Indian freedom struggle (1857-1947)</p>
6.	COMPUTER APPLICATION	Make working or Static model of Computer system showing (Output devices) and (input devices).

HAPPY SUMMER VACATION

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PRINCIPAL

- ① Find the value of "p" from the polynomial $x^2 + 3x + p$, if one of the zeroes of the polynomial is 2.
- ② Compute the zeroes of the polynomial $4x^2 - 4x - 8$. Also, establish a relationship between the zeroes and coefficient.
- ③ Find the value of x in the polynomial $2a^2 + 2xa + 5a + 10$ if $(a+x)$ is one of its factors.
- ④ α and β are zeroes of the quadratic polynomial $x^2 - 6x + y$. Find the value of y if $3\alpha + 2\beta = 20$
- ⑤ If the zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are $a-b$, a , $a+b$, then find the value of a and b .
- ⑥ Find a quadratic polynomial whose zeroes are reciprocals of the zeroes of the polynomial $f(x) = ax^2 + bx + c$, $a \neq 0$, $c \neq 0$.
- ⑦ If 4 is a zero of the polynomial $x^3 - 3x^2 - 10x + 24$, find its other two zeroes.
- ⑧ show that $\sqrt{3}$ is irrational number.
- ⑨ show that $\sqrt{2}$ is irrational number.
- ⑩ show that $5 + \sqrt{3}$ is irrational number.
- ⑪ For what value of k , is the polynomial $f(x) = 3x^4 - 9x^3 + x^2 + 15x + k$ completely divisible by $3x^2 - 5$?

model.

- ① make 3-D working model related to Trigonometric surface Area and volume and basic proportionality theorem