



SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

DEEPAWALI & CHHAT PUJA HOME-WORK & PROJECT WORK-(2024-25)

CLASS-X



SAVITRI DEVI DAV PUBLIC SCHOOL

Namupara, Jamtara, Jharkhand - 815351

JHARKHAND ZONE – H

SESSION: 2024-25

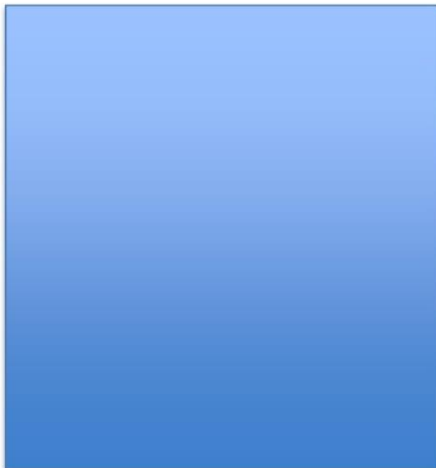
PORTFOLIO

English Language and Literature- 184

Affiliation No: 3430230

DETAILS OF STUDENT

PHOTOGRAPH



NAME OF STUDENT: _____

DATE OF BIRTH: _____

AGE: _____

CLASS & SECTION: _____

ROLL NO.: _____

NAME OF SCHOOL: _____

ADMISSION NO.: _____

YEAR OF ADMISSION: _____

HEIGHT: _____

WEIGHT: _____

BLOOD GROUP: _____

AADHAR NO.: _____

FAMILY DETAILS

MOTHER'S NAME: _____

OCCUPATION: _____

CONTACT NO.:

FATHER'S NAME:

OCCUPATION:

CONTACT NO.:

RESIDENTIAL ADD.:

STUDENT'S OWN RESPONSES

1. THINGS YOU ARE INTERESTED IN:

ANS. _____.

2. WHICH IS YOUR FAVOURITE GAME?

ANS. _____.

3. WHAT IS YOUR STRENGTH?

ANS. _____.

4. WRITE NAME OF YOUR BEST FRIEND.

ANS. _____.

5. THE QUALITY YOU LIKE IN YOUR FRIEND.

ANS. _____.

6. WHAT IS YOUR AMBITION/AIM IN LIFE?

ANS. _____.

7. WHO IS YOUR ROLE MODEL?

ANS. _____.

8. WHICH IS YOUR FAVOURITE BOOK?

ANS. _____.

9. WRITE YOUR ACHIEVEMENT SO FAR.

ANS. _____.

10. WHICH PLACE YOU WANT TO VISIT DURING HOLIDAYS?

ANS. _____.

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WRITE NAMES OF 10 ENGLISH POETS/AUTHOR

WRITE FIVE TOURIST PLACE OF INDIA AND STATES

PLACE STATE
1.
2.
3.
4.
5.

WRITE ONE INSPIRING THOUGHT

_____ _____ _____

STUDENT'S SIGNATURE: _____

NAME: _____

DATE: _____

TEACHER'S SIGNATURE: _____

NAME: _____

DATE: _____

(HINDI)

1. एक पत्राधान (पोर्टफोलियो) बनाएँ।
2. भारत के विविध त्यौहार, मेरी प्रिय पुस्तक, मेरा प्रिय खेल; तीनों पर अनुच्छेद लिखें।
3. अपने जीवन के लक्ष्य के बारे में बताते हुए अपनी माताजी को एक पत्र लिखें।
4. किसी पर्वतीय क्षेत्र के भ्रमण के बारे में बताते हुए अपने मित्र को एक पत्र लिखें।

X(SANSKRIT)

- 1) दीपावली एवं छठ पर्व किस तरह मनाया अपने इसपर १०वाक्य संस्कृत मे लखें।सचित्र वर्णन चार्ट नेत्र: पर लिखें।

X(MATHEMATICS)

- 1) The shadow of a tower standing on level ground is found to be 40 m longer when the Sun's altitude is 30° than when it is 60° . Find the height of the tower.
- 2) Two poles of equal heights are standing opposite each other on either side of the road, which is 80 m wide. From a point between them on the road, the angles of elevation of the top of the poles are 60° and 30° , respectively. Find the height of the poles and the distances of the point from the poles.
- 3) The angle of elevation of the top of a tower from a certain point is 30° . If the observer moves 20 metres towards the tower, the angle of elevation of the top increases by 15° . Find the height of the tower.
- 4) From the top of a 7 m high building, the angle of elevation of the top of a cable tower is 60° and the angle of depression of its foot is 45° . Determine the height of the tower.

- 5) Two ships are there in the sea on either side of a light house in such a way that the ships and the light house are in the same straight line. The angles of depression of two ships as observed from the top of the light house are 60° and 45° . If the height of the light house is 200 m, find the distance between the two ships.
- 6) Prove that: $(\operatorname{cosec} A - \sin A)(\sec A - \cos A) = 1/(\tan A + \cot A)$.
- 7) If $\angle A$ and $\angle B$ are acute angles such that $\cos A = \cos B$, then show that $\angle A = \angle B$.
- 8) Prove that $(\cos A - \sin A + 1)/(\cos A + \sin A - 1) = \operatorname{cosec} A + \cot A$,
- 9) If $\sin \theta + \cos \theta = \sqrt{3}$, prove that $\tan \theta + \cot \theta = 1$.
- 10) Evaluate: $2 \tan^2 45^\circ + \cos^2 30^\circ - \sin^2 60^\circ$.
- 11) State and prove Thale's theorem.
- 12) Prove that the parallelogram circumscribing a circle is a rhombus.
- 13) Prove that $5 + 3\sqrt{2}$ is irrational number.
- 14) Prove that the tangent at any point of a circle is perpendicular to the radius through the point of contact.
- 15) Prove that the lengths of tangents drawn from an external point to a circle are equal.

Activity

- 1) Objective - Draw graph of quadratic polynomial and observe.
- 2) To verify the condition for consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
- 3) To verify that the given sequence in an arithmetic Progression by paper cutting method.
- 4) To verify the B.P.T theorem (Thale's theorem).
- 5) Application of Probability in day to day life.

X(SCIENCE)

1. Name the method by which Spirogyra reproduces under favourable conditions. Is this method sexual or asexual?
 2. Draw labelled diagrams to illustrate budding in Hydra and also explain it.
 3. Explain the difference between binary fission and multiple fission.
 4. What is the difference between fertilisation and pollination? Explain.
 5. Ammeter burn out when connected in parallel. Give reasons.
 6. A wire of resistivity ' ρ ' is stretched to double its length. What will be its new resistivity?
 7. (i) List the three factors on which the resistance of a conductor depends.
(ii) Write the SI unit of resistivity.
 8. Complete and balance the following chemical equations-
 - (i) $\text{Al}_2\text{O}_3 + \text{HCl} \rightarrow$
 - (ii) $\text{K}_2\text{O} + \text{H}_2\text{O}(\text{l}) \rightarrow$
 - (iii) $\text{Fe} + \text{H}_2\text{O}(\text{l})$
 9. Write equations for the reactions of
 - (i) Iron with steam
 - (ii) Calcium and potassium with water
 10. In the electrolytic refining of a metal M, what would you take as the anode, the cathode and the electrolyte?
- Project Work:-
Prepare a portfolio on natural resources and its sustainable management.

X(SOCIAL SCIENCE)

1. HOW DID SILK ROUTES HELP TO LINK THE WORLD?
2. EXPLAIN HOW THE GLOBAL TRANSFER OF DISEASE IN THE PRE- MODERN WORLD HELPED IN THE COLONISATION OF THE AMERICAS.
3. WHY DID WOODWORK PRINT ONLY COME TO EUROPE AFTER 1295?
4. WHY DID MARTIN LUTHER FAVOUR PRINT AND SPEAK OUT IN PRAISE OF IT?
5. WHAT IS GLOBALIZATION?
6. EXPLAIN THE FACTORS THAT HAVE ENABLED GLOBALIZATION.
7. WHY DO WE NEED POLITICAL PARTIES?
8. HOW MANY PARTIES SHOULD WE HAVE?
9. WHAT IS MINERAL?
10. HOW CAN WE CONSERVE OUR MINERALS?

PROJECT WORK

(ECONOMICS)

TOPICS :

1.CONSUMER AWARENESS

ROLL- 1 TO 15

2.SOCIAL ISSUES

ROLL- 16 TO 30

3.SUSTAINABLE DEVELOPMENT

ROLL- 31 TO LAST ROLL

NOTE: PROJECT FILES WILL BE PREPARED INDIVIDUALLY BUT THE TOPIC WILL BE SAME FOR EACH GROUP.

X (I.T/A.I)

HOLIDAY HW: PREPARE PRACTICAL FILE ON THE LAB WORK PDF GIVEN IN THE CLASS WHATSAPP GROUP

PROJECT WORK:PREPARE A PROJECT IN CHANNEL FILE ENLISTING ANY 10 INDIAN ENTREPRENEUR WITH PHOTO AND EXPLANATION ABOUT THEIR INNOVATION OR IDEA .

_____ **X** _____