

SRI RAM KRISHAN DAV PUBLIC SCHOOL, SURIYA (GIRIDIH)

DURGA PUJA HOLIDAY ASSIGNMENT (2025-26)

CLASS – IX

1. SCIENCE

i. CHEMISTRY

Prepare flow chart diagram of the Interconversion of states of matter in a chart paper.

ii. PHYSICS

Solve the NCERT Exercise Questions of Motion, Force and Laws of Motion, Gravitation.

iii. BIOLOGY

Prepare potato osmometer to show the process of osmosis.

Click the pictures and paste in biology notebook

a. Initial stage

b. Final stage

Explain in brief the process (Materials used, Time taken)

2. HINDI

** गोवा के पांच साहित्यकारों की जीवनी और उनकी रचनाओं की सूची बनाएं।

** गोवा में मनाए जाने वाले प्रमुख त्योहारों का सचित्र वर्णन करते हुए, किन्हीं पांच त्योहारों का चित्र चिपका कर उसका उल्लेख करें।

** गोवा के प्रमुख सांस्कृतिक धरोहरों का सचित्र वर्णन करें।

नोट: -- सभी प्रोजेक्ट वर्क एक ही फाइल में तैयार करें।

3. MATHEMATICS

I. If $x + y = 12$ and $xy = 32$, Find the value of $x^2 + y^2$.

II. If $3x + 2y = 12$ and $xy = 6$, find the value of $9x^2 + 4y^2$.

III. Write the following cubes in the expanded form:

(i) $(3a + 4b)^3$

(ii) $(5p - 3q)^3$

IV. The x- coordinate of a point is called abscissa.

V. The y-coordinate of a point is called the ordinate.

VI. If two lines intersect prove that

Angle AOD=angle BOC

VII. If PQ and RS are two intersecting lines which meet at point O. If angle POR: angle ROQ= 5:7. Find all the angles.

VIII. Prove that the angle formed by the bisector of interior angle A and the bisector of exterior angle B of a triangle ABC is half of angle C.

IX. Sides QP and RQ of triangle PQR are produced to point S and T respectively. If angle SPR= 35° and angle PQT= 70° find angle SQR and angle PRQ.

X. Of the three angles of a triangle, one is double the smallest and another is thrice times the smaller. Find the angles.

4. ENGLISH

I. Write down the character sketch of the followings:

a) The Little Girl b) Iswaran

II Define the following figures of speech with two examples of each

a) Simile b) Metaphor 3) Personification 4) Alliteration 5) Hyperbole

III. Write a descriptive paragraph on "A Visit to the Mountains".

IV. You are Riya/Rohit 23, Sunshine Road Mumbai. Write a letter to the editor of The Times of India expressing your concern about Air Pollution in your city. Suggest measures to reduce its harmful effects. (150-180)

5. SOCIAL – STUDIES

GEOGRAPHY

I) Make a project document that discusses the major physiographic divisions of India, including the Himalayan Mountains, Northern Plains, Peninsular Plateau, Indian Desert, Coastal Plains and Islands.

a) It describes the three parallel ranges that make up the Himalayas from north to south: Greater Himalayas, Lesser Himalayas and Siwalik and others land types

b) The physiographic divisions were formed by plate tectonics and river erosion over millions of years and influence landforms, resources and development opportunities across India.

c) Add pic of each division with diagrams.

HISTORY

II) Write 2 internal short type questions of Nazism and Rise of Hitler.

a) Trace any three main features of the foreign policy of rise of Hitler.

b) The treaty of Versailles with the allies was the harsh and humiliating peace. Explain the statement with any three examples.

Political Science

III) Write 10 MCQ type internal questions answer from Ch. Constitutional design.

i) When did the Constituent Assembly hold its first meeting?

a) July 1946 b) December 1946 c) January 1950 d) November 1949

ii) How many members were there in the Constituent Assembly that wrote the Indian Constitution?

a) 300 b) 299 c) 250 d) 200

iii) On which date was the Indian Constitution adopted by the Constituent Assembly?

a) 15 August 1947 b) 26 January 1950 c) 26 November 1949 d) 26 January 1949

iv) What day is celebrated as Republic Day in India, marking the implementation of the Constitution?

a) 15 August. b) 26 January c) 2 October d) 26 November

v) Which values formed the foundation for India's democracy?

a) Economic values b) Values inspired and nurtured by the freedom struggle c) Social values of the 20th century d) Traditional values of ancient India