



— LEARNING REDEFINED —

SARASWATI DEVI INTERNATIONAL SCHOOL BANKURA

Class : X



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BENGALI

15 PAGES HANDWRITING ON A4 RULED SHEET/HANDWRITING BOOK.[WRITE IN BEAUTIFUL HANDWRITING]

অনুচ্ছেদ রচনা:

- ১) পরিবেশ দূষণ
- ২) সময়ের মূল্য
- ৩) শিষ্টাচার ও সৌজন্যবোধ
- ৪) মাতৃভাষার মাধ্যমে শিক্ষা
- ৫) পরিবেশ রক্ষায় অরণ্য সংরক্ষণ
- ৬) বাংলার উৎসব

[Write each paragraph within three page]

Hindi

*हिन्दी साहित्य :-

(15 पृष्ठ की हस्तलेखन अभ्यास, व्याकरण की कॉपी में लिखिए)

1. "तीसरी कसम के शिल्पकार शैलेंद्र " कहानी को शुद्ध और स्पष्ट हस्तलेख में अपनी व्याकरण की कॉपी में लिखिए ।

2. निम्नलिखित लेखकों को जीवन और साहित्यिक परिचय लिखिए (A4 size page)

- | | |
|---------------------|---------------------|
| १. मैथिलीशरण गुप्त | २. सुमित्रानंदन पंत |
| ३. रवींद्रनाथ ठाकुर | ४. मुंशी प्रेमचंद |
| ५. रविंद्र केलेकर | |

हिन्दी व्याकरण :-

व्याकरण की कॉपी में लिखिए)

- अनुच्छेद लेखन

१. फैशन और आज का युवा

(150- 200 शब्द में)

२. जीवन में लक्ष्य का महत्व

English

1. 15 PAGES HANDWRITING
TO BE DONE IN THE HOMEWORK NOTEBOOK
2. AUTOBIOGRAPHY
WORD LIMIT- 800- 1500 WORDS
TO BE DONE IN A SPIRAL FILE USING A-4 SIZE1.YOUR IDENTITY
TOPIC

2. DAILY LIFESTYLE AND VALUES INCULCATED
3. YOUR OPINION ABOUT THE PRESENT GENERATION
4. VISION OF LIFE AND PLAN TO ACHIEVE THE SAME
5. EXPECTATION FROM TEACHERS, SCHOOL, PARENTS AND FRIENDS

Science

- 1) Draw a labelled ray diagram to show the path of the reflected ray corresponding to an incident ray of light parallel to the principal axis of a convex mirror. Mark the angle of incidence and angle of reflection on it.
- 2) An object is placed at a distance of 30 cm in front of a convex mirror of focal length 15 cm. Write four characteristics of the image formed by the mirror.
- 3) An object is placed at a distance of 12 cm in front of a concave mirror of radius of curvature 30 cm. List four characteristics of the image formed by the mirror. The image formed by a concave mirror is observed to be virtual, erect and larger than the object. Where should the position of the object be relative to the mirror? Draw ray diagram to justify your answer.
- 4) A concave mirror is used for image formation for different positions of an object. What inferences can be drawn about the following when an object is placed at a distance of 10 cm from the pole of a concave mirror of focal length 15 cm?

Explain the significance of photosynthesis.

- 5) Write the balanced chemical equation involved in the process.

Write balanced chemical equations for the following chemical reactions:

- (a) Hydrogen + Chlorine \rightarrow Hydrogen chloride
- (b) Lead + Copper chloride \rightarrow Lead chloride + Copper
- (c) Zinc oxide + Carbon \rightarrow Zinc + Carbon monoxide
- 6) When hydrogen sulphide gas is passed through a blue solution of copper sulphate, a black precipitate of copper sulphide is obtained and the sulphuric acid so formed remains in the solution. The reaction is an example of a
 - (a) combination reaction
 - (b) displacement reaction
 - (c) decomposition reaction
 - (d) double displacement reaction.
- 7) State the type of chemical reactions, represented by the following equations :
 - (a) $A + BC \rightarrow AC + B$
 - (b) $A + B \rightarrow C$
 - (c) $PQ + RS \rightarrow PS + RQ$
 - (d) $A_2O_3 + 2B \rightarrow B_2O_3 + 2A$

- 8) 1 g of copper powder was taken in a China dish and heated. What change takes place on heating? When hydrogen gas is passed over this heated substance, a visible change is seen in it. Give the chemical equations of reactions, the name and the colour of the products formed in each case.
- 9) (a) State the role played by the following in the process of digestion :
 (i) Enzyme trypsin
 (ii) Enzyme lipase-

Social Science

Discuss the importance of power sharing in a democracy and its impact on society.

On the outline map of India locate the following:

- * Major soil types found in India.
- * Important dams in political map of India like salal, Bhakra Nangal, Tehri, Rana Pratap Sagar, Sardar Sarovar, Hirakud, Nagarjuna Sagar, Tungabhadra etc.

3. Mention what are the resources found in your district or state and also think of some potential resource from your state.

4. What is national income?

5. What is Human Development Index?

6. Collect latest information related to India about:

- A) Infant mortality rate
- B) Literacy rate
- C) Rank on Human Development Index
- D) Net attendance ratio

7. Watch a movie about Indian nationalism and write a review on it.

8. How did the sense of collectiveness spread among French people?

NB- complete all the sst work in a channel file.

Information Technology

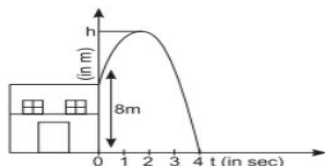
SUBJECT	TOPICS	ACTIVITY	MATERIAL REQUIRED
I.T	STYLES	1. Make a poster to spread awareness about personal hygiene or environment care and take the print out of that [Roll No 1 to 15]	Paper, printer activity sheets, computer etc

	<p>Images</p> <p>Virus and Anti virus</p>	<p>2. Collect the images of yours and your family members and make a collage. Finally group all the images. Take the coloured print out of the page. [Roll No 15 onwards]</p> <p>3. Make a presentation different types of virus and anti virus. Take the print out of all the slides and make a file.(Mandatory for all)</p>	
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Mathematics

Case Study 1

Sukriti throws a ball upwards, from a rooftop which is 8 m high from ground level. The ball reaches to some maximum height and then returns and hit the ground. If height of the ball at time t (in sec) is represented by $h(m)$, then equation of its path is given as $h = -t^2 + 2t + 8$.



Based on the given information, solve the following questions:

Q1. The maximum height achieved by ball is:

- 7 m
- 8 m
- 9 m
- 10 m

Q2. The polynomial represented by above graph is:

- linear polynomial
- quadratic polynomial
- constant polynomial
- cubic polynomial

Q3. Time taken by ball to reach maximum height is: is given, is:

- 2 sec
- 4 sec
- 1 sec
- 2 min

Q4. Number of zeroes of the polynomial whose graph

- 1
- 2
- 0
- 3

Q5. Zeroes of the polynomial are:

- 4
- 2,4
- 2,4
- 0,4

So, option (c) is correct.

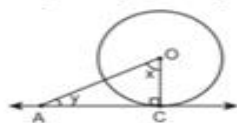
Case Study 2

For class 10 students, a teacher planned a game for the revision of chapter circles with some questions written on the board, which are to be answered by the students. For each correct answer, a student will get a reward. Some of the questions are given below.



Based on the given information, solve the following questions:

Q1. In the given figure, $x + y =$

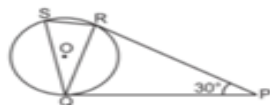


- a. 60° b. 90° c. 120° d. 145°

Q2. If PA and PB are two tangents drawn to a circle with centre O from P such that $\angle PBA = 50^\circ$, then $\angle OAB =$

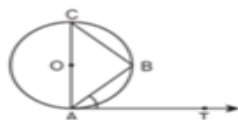
- a. 50°
b. 25°
c. 40°
d. 130°

Q3. In the given figure, PQ and PR are two tangents to the circle, then $\angle ROQ =$



- a. 30°
b. 60°
c. 105°
d. 150°

Q4. In the given figure, AB is a chord of the circle and AOC is its diameter such that $\angle ACB = 55^\circ$, then $\angle BAT =$



- a. 35°
b. 55°
c. 125°
d. 110°

Case Study 3

Akhila went to a fair in her village. She wanted to enjoy rides on the giant wheel and play hoopla (a game in which you throw a ring on the items kept in a stall and if the ring covers any object completely you get it). The number of times she played hoopla is half the number of times she rides the giant wheel. If each ride costs ₹ 3 and a game of hoopla costs 4 and she spent 20 in the fair.



Based on the above information, solve the following questions:

- Q1. Write the representation of given statement algebraically.
- Q2. Find the intersection point of two lines.
- Q3. Find the intersection points of the line $x-2y=0$ on X and Y-axes.

OR

Intersection points of the line $3x + 4y = 20$ on X and Y-axes.

Note:

- Students must submit their holiday homework as marks will be added to your internal assessment in Term End examination.
- Last date of submission 13th June 2025(Friday)

Saraswati Devi International School, Bankura, WB

Co-Educational, English Medium, Sr. Secondary School, Affiliated To CBSE, Aff No: 2430231

DATE SHEET OF PA1 EXAM , 2025-26

TIME: (09:00-10:00)	02-07-2025	03-07-2025	04-07-2025	07-07-2025	08-07-2025	09-07-2025	10-07-2025
	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday
STD-VI	ENGLISH	SST	MATH	SCIENCE	2ND LANG		
STD-VII	SST	2ND LANG	MATHS	ENGLISH	SCIENCE		
STD-VIII	SCIENCE	ENGLISH	2ND LANG	MATH	SST		
STD-IX	ENGLISH	SCIENCE	SST	2ND LANG	MATH	IT	
STD-X	MATH	SST	2ND LANG	ENGLISH	SCIENCE	IT	

* Exam Hours : 1hr 30minutes

Full Marks = 40

* There will be regular classes after examination.

NEXT REGULAR WEEKLY TEST (MCQ) ON 10TH JUNE, SUBJECT- ENGLISH, FM-20