



St. Edmund's School

Play Group to 10+2 [CBSE Affiliated]

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Std.-X Holiday Home Work Session 2022-23

Subjects	Homework															
English (0184)	Questions for Portfolio:															
	Q.1 Data Analysis															
	(a) The favourite flavours of candy for the children in a locality are given in percentage as follows.															
	<table border="1"> <thead> <tr> <th>FLAVOURS</th> <th>% Of students prefer the flavours</th> </tr> </thead> <tbody> <tr> <td>Vanilla</td> <td>15 %</td> </tr> <tr> <td>Strawberry</td> <td>25 %</td> </tr> <tr> <td>Chocolate</td> <td>30 %</td> </tr> <tr> <td>Mango</td> <td>20 %</td> </tr> <tr> <td>Orange</td> <td>10 %</td> </tr> </tbody> </table>	FLAVOURS	% Of students prefer the flavours	Vanilla	15 %	Strawberry	25 %	Chocolate	30 %	Mango	20 %	Orange	10 %			
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<ul style="list-style-type: none"> • Make a pie-chart analysing the given table. • Do it on a plain sheet using attractive colours /coloured papers etc. and then paste on portfolio file. • Analyse in writing as well. 																
(b) The details show choice of sports by boys and girls. Make a bar graph using the details. Present in writing as well.																
<table border="1"> <thead> <tr> <th>Sports</th> <th>Boys</th> <th>Girls</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Basketball</td> <td>15</td> <td>10</td> <td>25</td> </tr> <tr> <td>Volleyball</td> <td>15</td> <td>15</td> <td>30</td> </tr> <tr> <td>Badminton</td> <td>10</td> <td>10</td> <td>20</td> </tr> </tbody> </table>	Sports	Boys	Girls	Total	Basketball	15	10	25	Volleyball	15	15	30	Badminton	10	10	20
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Basketball	15	10	25													
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Q.2																



The image given above shows the degrading world with the degradation of nature. So, with the use of best vocabulary, present all your thoughts by writing down the narration or express by presenting same perspectives by dialogue writing and be the protagonist of the story you create.

Q.3 (a) Complete page no. 133 to page no. 136 of Bravia book in school English Grammar notebook.

(b) Complete page no. 243 to page no. 247 of Bravia

Hindi (002)

प्रश्न 1. 'माता का अंचल' पाठ में वर्णित तत्कालीन विद्यालयों के अनुशासन से वर्तमान युग के विद्यालयों के अनुशासन की तुलना करते हुए बताइए कि आप किस अनुशासन व्यवस्था को अच्छा मानते हैं और क्यों?

प्रश्न 2. शहर की चकाचौंध से दूर गांव की सहजता को रचनाकार ने आत्मीयता के साथ प्रस्तुत किया है 'माता का अंचल' पाठ के आधार पर कथन की सत्यता को स्पष्ट कीजिए।

प्रश्न 3. 'नेताजी का चश्मा' कहानी को नाटक में रूपांतरित कीजिए। (1 साइज शीट पर)

प्रश्न 4. व्याकरण पाठ्य पुस्तक से प्रतिदिन एक विज्ञापन, निबंध एवं पत्र (औपचारिक अनौपचारिक) का लिखित अभ्यास उत्तर पुस्तिका में कीजिए।

Mathematics (041)

Portfolio Questions (Q.1 and Q.2) Use White paper for portfolio for mathematics)

Q.1 What do you mean by Quadratic polynomial. Explain all the following types of polynomial .

(a) with two real zeroes (upward and downward both)

- (b) with two equal zeroes (upward and downward both)
- (c) with two unreal or imaginary zeroes (upward and downward both)

Q.2 Case Study

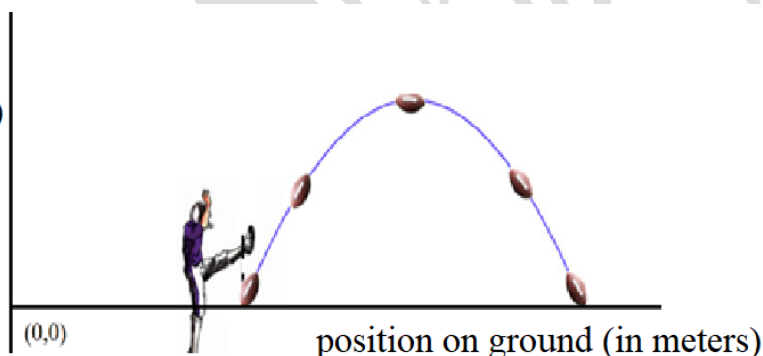
In a football game, the path of the football can be modelled by the quadratic equation

$h(x) = -x^2 + 35x - 300$ where $h(x)$ is the height of the football in metres, and x is the horizontal distance of the football in metres.



- (i) Which shape does the trajectory of the football is shown by after the kick of the player.
- (ii)

height (in meters)



- (iii) If the player position is mentioned in the above figure. What will be the position(coordinates) of the player at the time of the kick.
- (iii) What will be the position(coordinates) of the football when it hits the ground again after the kick in above situation.
- (iv) What will be the height of the football, when the ball is 3m far horizontally from the player ?
- (v) What will be the horizontal distance travelled by the ball after the kick.
- (vi) What will be the maximum height of the football.

Q.3 Lab Manual Work:

Complete Activity 1(Quadratic Polynomial) and 2(Consistency and in consistency of two linear equations) in your lab manual.

Q.4 Solve the following questions from your reference book.

Page number 34,35,36 → Q.16, Q.19, Q.22, Q.23, Q.24

Page number 53 → Exercise 2.2 Q.4 (a), Q.6, Q.12 (a)

Page number 126 → Exercise 3.6 Q.3, Q.7, Q.14(a), Q.18(a)

Page number 132,133,134 → Q.22,

Science (086)

1.Develop a game using cards (cards you make from thick sheets of paper) Write symbols of elements, formulae ,valencies on different cards. These cards Can be used for learning Chemical Formulae and reactions.

2.Make a model of any life process or organ system using materials available at home.

3. **Lab manual work-** Complete activity 1(A) and 1(B) in lab manual.

4. Portfolio work- [Note:- Use Light Blue Colour Sheets]

Q1 Write a report on the topic 'Pollution of Ganga River'.

Q2 Prepare and paste a list of five items that you use daily in the school. Identify from the list such items that can be recycled.

Q4 Do Q. 1 to Q.21 of Chapter light given in your Physics Reference Book.(page no. 54)

GENERAL INSTRUCTIONS:

- Compile both projects in separate files with decorative cover page.
- The name of the student, subject, and topic of the project should be mentioned on the first page. It should be handwritten.
- File must contain 10 to 15 pages.
- Paste pictures and mention the relevant data also.
- PPT presentation should be effective and innovative with 7 to 8 slides only.

1) PROJECT WORK

Every student has to compulsorily undertake any one **Project and PPT** presentation on the following topics:

Consumer Awareness

OR

Social Issues

List of social issues (choose any one)

- | | | | |
|----------------------|-------------------------------|----------------------|-------------------------|
| 1. Poverty | 2. Unemployment | 3. Corruption | 4. Population explosion |
| 5. Communal violence | 6. Child abuse & child labour | 7. Domestic violence | |
| 8. Gender inequality | 9. Caste system | 10. Pollution | |

OR

Sustainable Development

2) PORTFOLIO WORK [USE PINK COLOUR SHEETS]

Q1 How is ethnic composition of Belgium very complex? Explain with the help of Pie Chart.

Q2 How far is it correct to say that in recent past India has experienced some significant changes in the contribution of GDP service sector? Explain.

Q.1 Write three paragraphs on the topic " Word Processor" and perform the following functions:

- | | |
|-----------------------|--|
| Common Effects | → Header with Date, Time and Page Number. |
| Paragraph 1 | → Left aligned, 15 pt line spacing, 6 pt space to be left both Before and After the paragraph, red colored, underlined text. |
| Paragraph 2 | → Justified, 24 pt line spacing, hanging Indents with a difference of 1.50 cm, single strikethrough text. |
| Paragraph 3 | → Right aligned, 10 pt line spacing, all indents set to 2.0 cm, Bold, Italic, Green colored font. |

**Social Studies
(087)**

I.T (402)

Q.2 Green skill-

What to do: Create a presentation in MS PowerPoint on the topic "Sustainable Development Goal- Zero Hunger". Presentation should have 8-10 slides

Parameters: Creativity, Originality, Overall presentation

Q.3 Write the steps to download Google Talk, create your own account and chat with your friend. Paste the screenshot of the chat window

GENERAL INSTRUCTION/ GUIDELINE:

1. Make a separate file or copy, with decorative cover page with financial terminology or pictures.
2. The Name of the student, subject, and topics of the project should be mentioned on the first page.
3. Try to include pictures and flow chart diagram in a creative way.
4. Work must have an appropriate conclusion.

ACTIVITY -1

Given case study is for investment strategy which an individual has followed at certain age due to which it will affect the growth of money.

	Ram	Shyam
Starts investing at the age	28 years	48 years
Monthly savings	Rs. 5000	Rs. 15000
Returns (assumed)	15% p.a.	15% p.a.
Both invest till the age of	58 years	58
Total investment	Rs. 18 lacs	Rs. 18 lacs
Wealth accumulated at 58		

IFM Level –I
(405)

In Above case two investor invest money at the age given in comparison table at the same rate of interest p.a Now by your understanding the concept of investment answer in detail following questions:

- a) Investment strategy given by “Warren Buffet “in points and why one should invest?
- b) Elaborate your understanding on given point in comparison table
- c) Explain the factors effecting interest rate and why?

ACTIVITY- 2

In given below picture of trading application market condition of a Reliance industries Ltd is shown in NSE with low and high market rates now identify the market price and answer the following question based on trading terminology in stock market



- a) How many exchanges we have in INDIA and how you identify that in given trading whether investor who invested in the company is in profit how? Explain that by previous close and open of market.
- b) Which are the securities on can invest in?

ACTIVITY -III



While trading in Securities Market each equity / share is interlinked to get profit or loss so by using above equity division elaborate each term as under with example:

- a) Your understanding on Equity?
- b) How wealth is created while investing in equity?
- c) Investing in equity give regular income. explain this statement and how?
- d) Listing in equity market how company raise their funds?
- e) Define dividends
- f) Is investing in Equity is a short term profit? yes /no explain

French (018)	10 th – prepare a portfolio on the subject “le système éducatif en France et en Inde.”(Refer to leçon-2)
Drawing/ Craft	1-Make a creative School Magazine Cover Page 2- Investigate and draw at least 3 different art work of famous artists. 3-Make beautiful painting on topic “ Yoga Day ”.