



LOYOLA CONVENT SCHOOL
RANCHI
SESSION - 2020-21

HOLIDAY HOME WORK

CLASS - IX

ENGLISH

Literature:

Beehive:

- i. Chp-1. Read the chapter & write the meaning of difficult words.
- ii. Chp-2. Read the chapter & write the meaning of the difficult words.
- iii. Chp-3. Read the chapter & write the meaning of the difficult words.

Moments:

- i. Chp-1. Read the chapter & write the meaning of difficult words.
- ii. Chp-2. Read the chapter & write the meaning of difficult words.
- iii. Moments: Chp-3- Read the chapter & write the meaning of the difficult words.

Writing:

- i. You are experiencing the scenario of 'Lockdown'. Make a Diary entry on what have you experienced till now.
- ii. Write a paragraph on " How I spent my Lockdown days".
- iii. Write an Article in about 100- 120 words for a school magazine on the topic, " Life without Modern Gadgets"

Grammar:

- i. Rearrange the following words/phrases to make a meaningful sentences.
 - a. railway station/my parents/one evening/ along with/to the/went
 - b. crowd at/ counter / there was/ the ticket/ a huge
 - c. their voices/ at the/ to the hawkers/ top of/ were shouting
 - d. arrived/ started/ compartment/ the passengers/ from one/ running/ to another/ the train/ and

- ii. Complete the passage with the correct answer.

The human body is like a machine containing (a)..... systems (b) out the processes (c)..... life. Each system is (d)..... up of organs (e)..... consist of (f)..... cells and tissues.

- | | | | | |
|-----|----------------|-------------------|-------------------|-----------------|
| A) | i. little,. | ii. several,. | iii. much,. | iv. more |
| B). | i. to carry,. | ii. carry,. | iii. carries,. | iv. carried |
| C) | i. for,. | ii. in,. | iii. of | iv. with |
| D) | i. makes,. | ii. making,. | iii. make,. | iv. made |
| E) | i. that. | ii. who. | iii. whose. | iv. those |
| F) | i. specialise. | ii. specialising. | iii. specialised. | iv. spezialises |

MATHEMATICS

- i. Ex – 1.1, 1.6, 2.2 (Q.1 & 2), 2.5 (Q.1, 2, 3, 4) - NCERT
- ii. Factorise the following questions:

- | | | | |
|--------------------------------|---------------------------|-------------------------------|------------------------------|
| a $x^2 - 6x + 5$ | b $x^2 - 9$ | c $xy + 2y + 9x + 18$ | d $a^2 - 9a$ |
| e $a^2 - 6a + 9$ | f $4x^2 - 1$ | g $12x^2 - x - 35$ | h $a^2 - 13a + 40$ |
| i $5a^2b - 10ab^3$ | j $p^2 - q^2$ | k $pq - 3p + 10q - 30$ | l $7x^2 + 11x - 6$ |
| m $a^2 + 3a - ab$ | n $16 - 25a^2$ | o $1 - 2a - 24a^2$ | p $4m + 4n - am - an$ |
| q $5ay - 10y + 15xy$ | r $15x^2 - x - 28$ | s $x^2y^2 - 1$ | t $x^2 - x - 56$ |
| u $2mn + 3np + 4m + 6p$ | | v $100a^2 - 49x^2$ | |
| w $2 - 5x - 3x^2$ | | x $k^2 + 2k - 48$ | |

HINDI

1. 26 मार्च से 31 मार्च हेतु कार्य योजना

(क) कोरोना वायरस के रोकथाम हेतु भारत सरकार के द्वारा उठाए गए कदम व स्वानुभवों को आधार बनाकर एक निबंध लिखें :-

- भूमिका
- विश्व व्यापक प्रभाव
- भारत पर प्रभाव
- नागरिक कायित्व

(ख) त्योहारों का समाज से संबंध -

- त्योहार से अभिप्राय
- विभिन्न प्रकार के त्योहार
- आपसी प्रेम व भाईचारा को बढ़ाने
- उपसंहार

2. 1 अप्रैल से 7 अप्रैल हेतु कार्य योजना

अभ्यास प्रश्न पत्र (1-5) खण्ड 'क' प्रश्न 1 अपठित गद्यार्थ के प्रश्नोत्तरों को दूगोहर विद् पुस्तिका में डी करें।

3. 8 अप्रैल से 14 अप्रैल हेतु कार्य योजना

अभ्यास प्रश्न पत्र (1-5) दूगोहर विद् खण्ड 'घ' प्रश्न संख्या 12 एवं 13 हिन्दी कक्षा कार्य पुस्तिका में लिखें।

SANSKRIT

1. 26 मार्चतः 31 मार्च हेतु कार्य योजना

शैमुषी पाठ्यपुस्तिकातः (1-10) शब्दार्थाः स्वकक्षाकार्य पुस्तिकायाम् रचयित्वा लिखत ।

2. 1 अप्रैलतः — 7 अप्रैल हेतु कार्य योजना

अभ्यास प्रश्न पत्राणि (1-5) खण्ड 'क' अपठित अक्वोधनम् उत्तराणि पुस्तिकायाम् एवं लिखत । (दूगोहर विद् 9 & 10)

3. 8 अप्रैलतः — 14 अप्रैल हेतु कार्य योजना

अभ्यास प्रश्नपत्राणि (1-5) खण्ड 'ख' रचनात्मकम् कार्यम् दूगोहर विद् अभ्यास पुस्तिकायाम् एवं लिखत ।

PHYSICS

Chapter – Motion

- i) A body covers 360 Km in 5 hours. Find its speed in m/s, Km/h and Km/m.
- ii) Go through chapter – 8 (NCERT) and solve example 8.1 and 8.2
- iii) Solve examples 8.3 and 8.4 (NCERT).
- iv) Draw Distance-Time graph for : (Do not use graph)
 - (a) Object moving with uniform speed (figure-8.3, Page-104)
 - (b) Object moving with non-uniform speed (Figure-8.4, Page-104)
- v) Draw Velocity-Time graph for (Do not use graph paper)
 - (a) Uniform motion (Figure – 8.5, Page-105)
 - (b) Body moving with uniform acceleration (Figure-8.6, Page-106).
 - (c) Body moving with non-uniform acceleration (Figure – 8.7, Page-106)
- vi) Define average speed, give its mathematical expression. (Page-101 NCERT)
- vii) Define average velocity, and give mathematical expression (Page-101 NCERT)
- viii) Define acceleration and give its expression. (Page-103)
- ix) Write equations of motion and also derive it using topic 8.5.1, 8.5.2, 8.5.3 from NCERT. Page – 108 and 109 NCERT

CHEMISTRY

Chapter-1-Matter

Topics to be read- Definition of matter, characteristics of matter-

- i. Particles of matter have space between them.
 - ii. Particles of matter are continuously moving
 - iii. Particles of matter attract each other. Types of matter - Solid, Liquid and Gas.
 - Home Work-Page-3 if NCERT-Intext questions-1, 2, 3
 - iv. Differences between- solid, liquid and gas (at least 5 differences), Activity 1.11, Melting point, Boiling point, sublimation, Liquefaction of gases. Conversion of celsius into kelvin by using formula Celsius+273= kelvin
 - Home Work – Q-1,2 of intext exercises page 9.
- Topics to be read -Evaporation, factors affecting evaporation,
- v. Activity 1.14
 - vi. Why cotton clothes are comfortable in summer?
 - vii. Why tiny droplets of water is observed outside glass containing ice cold water?
 - Home Work -Question-1, 2, 3, 4, 5 page 10 (intext questions) ,Exercise questions-1,2,3,4,5

BIOLOGY

1. Ch-15 Improvement in food resources.

Topics covered :

- Improvement in crop yields, crop production management, crop protection management.

Home Work

- i. Complete in text question answer till pg. No. 208
- ii. Complete NCERT Ex. question No. 1, 2, 3, 4, 5

2. Ch-15 Continue

Topics covered :

- Animal husbandry, cattle farming, poultry farming, fish production, bee keeping.

Home Work

- i. Complete NCERT in text question answer till pg. No. 213
- ii. Complete NCERT Ex. question No. 6, 7, 8, 9

3. Ch-5 Cell

Topics covered :

- Plasma membrane, cell wall, nucleus, cytoplasm, E R, golgi apparatus, lysosomes, mitochondria, plastids, vacuoles.

Home Work

- i. Complete intext and NCERT Ex. question answer.

ii. Draw diagram of :

a. Prokaryotic cell Fig 5.4

b. Animal cell Fig 5.5

c. Plant cell Fig 5.6

HISTORY

- i. Explain the French Society during the late 18th Century.
- ii. Write a detail sketch on Louis XVI.
- iii. Write the important years and events finding out from the Chapter 'The French Revolution'.
- iv. Explain the causes of the 'French Revolution'.
- v. Explain the growing middle class in French Society.

GEOGRAPHY

- i. On the Political map of India Label different states and their Capital and colour them with different colours.
- ii. Name the state which do not have any inter nation border or lie on the coast.
- iii. Name the states of India sharing border with (a) Pakistan (b) China (c) Bangladesh
- iv. What is India's latitudinal and longitudinal extent? What is the total area of India?
- v. Explain the strategic central location of India in south Asia.
- vi. Name the six physiographic division of India.
- vii. On the outline map of India label the different physiographic division.

ECONOMICS

- i. Ch – 1 Story of Village Palampur – Q2 to Q14 (Page – 14, 15)
- ii. Prepare a note on farming in Palampur, difference between farming and non-farming activities
- iii. Ch – 2 People as resource – Q7 and Q10 (Page-27)

CIVICS

- i. Ch – 1 Q1, Q2, Q3 MCQ
- ii. Ch – 1 Q4, Q5, Q6
- ii. Ch – 2 Q1 to Q8 MCQ



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RANCHI
SESSION - 2020-21

HOLIDAY HOME WORK
CLASS - X

ENGLISH

Literature:

First Flight:

- i. Read chp-1 & write the meaning of the difficult words.
- ii. Chp 2. Read the chp & write the meaning of the difficult words.
- iii. Chp -3. Read the chp & write the meaning of the difficult words.

Footprints without Foot:

- i. Chp-1- Read the chp & write the meaning of the difficult words.
- ii. Chp-2. Read the chp & write the meaning of the difficult words.
- iii. Chp-3. Read the chp & write the meaning of the difficult words.

Writing

- i. Write an article in about 100-120 words on the topic " Regionalism in India: A threat to Our Unity".
- ii. Write a letter to editor showing your concern regarding the increasing pollution in the city. You are Shreya/ Shreyas.
- iii. On the occasion of World Book Day, the school has decided to organise a Book Fair. Vishaka/ Vishu, the secretary of the Book Club, wants to call a meeting of the office bearers of the club to discuss the arrangements for the fair. Write a notice in about 50 words.

Grammar:

- i. Complete the passage with the correct answer.

The human body is like a machine containing (a)..... systems (b) out the processes (c)..... life. Each system is (d)..... up of organs (e)..... consist of (f)..... cells and tissues.

- | | | | | |
|-----|----------------|-------------------|-------------------|-------------------|
| A) | i. little,. | ii. several,. | iii. much,. | iv. more |
| B). | i. to carry,. | ii. carry,. | iii. carries,. | iv. carried |
| C) | i. for. | ii. in,. | iii. of | iv. with |
| D) | i. makes,. | ii. making,. | iii. make,. | iv. made |
| E) | i. that. | ii. who. | iii. whose. | iv. those |
| F) | i. specialise. | ii. specialising. | iii. specialised. | iv. spezialises I |

- ii. Complete the following dialogue by chance choosing the most appropriate option.

John: Friend, I sent you many flowers on Valentine's Day.

Harry: (a).....

Jack: Are you sure you sent it to us?

John: (b).....

Harry: You must have sent cauliflowers.

John: (c,).....

Jack: I kept them in refrigerator!

Harry,; (d).....

- | | |
|--|--|
| A. i. I sent many flowers on Valentine's | ii. I had sent flowers on Valentine's. |
| iii. What do you mean? I did not receive them. | iv. he sent many flowers on Valentine's. |
| B. i. yes, they were big white ones. | ii. no, they were big white ones. |
| iii. what did he mean? | iv. that what he meant was flowers. |
| C. i. what he got in return. | ii. what had he got in return. |
| iii. will In get anything in return? | iv. your guess is right. |
| D. i. Thanks for sending cauliflowers. | ii. must have sent cauliflowers |
| iii. thanks you, may have sent cauliflowers. | iv. Should you had sent cauliflowers? |

HINDI

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(क) कोरोना वायरस के रोकथाम हेतु भारत सरकार के द्वारा उठाए गए कदम व स्वानुभवों को आधार बनाकर एक निबंध लिखें :-
 - भूमिका
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 - भारत पर प्रभाव
 - नागरिक कार्यत्व

(ख) त्योहारों का समाज से संबंध -

 - त्योहार से अभिप्राय
 - विभिन्न प्रकार के त्योहार
 - आपसी प्रेम व भाईचारा को बढ़ाने
 - उपसंहार
2. 1 अप्रैल से 7 अप्रैल हेतु कार्य योजना
अभ्यास प्रश्न पत्र (1-5) खण्ड 'क' प्रश्न 1 अपठित गद्यांश के प्रश्नों के दृगेदर विद बुस्तिका में डी करें।
3. 8 अप्रैल से 14 अप्रैल हेतु कार्य योजना
अभ्यास प्रश्न पत्र (1-5) दृगेदर विद खण्ड 'घ' प्रश्न संख्या 12 एवं 13 हिंदी कक्षा कार्य बुस्तिका में लिखें।

SANSKRIT

1. 26 मार्चतः 31 मार्च हेतु कार्य योजना
शैमुषी पाठ्यपुस्तकात् (1-10) शब्दार्थः स्वकक्षाकार्य बुस्तिकायाम् स्मृत्वा लिखत ।
2. 1 अप्रैलतः — 7 अप्रैल हेतु कार्य योजना
अभ्यास प्रश्न पत्राणि (1-5) खण्ड 'क' अपठित अवबोधनम् उत्तराणि बुस्तिकायाम् एवं लिखत । (दृगेदर विद 9 & 10)
3. 8 अप्रैलतः — 14 अप्रैल हेतु कार्य योजना
अभ्यास प्रश्नपत्राणि (1-5) खण्ड 'ख' रचनात्मकम् कार्यम् दृगेदर विद अभ्यास बुस्तिकायाम् एवं लिखत ।

MATHEMATICS

i. Ex – 1.2, 1.4, 4.1, 4.2 (Q.1) NCERT

| Simplify the following:

a $\frac{2x+4}{3} \times \frac{6x}{x+2}$

b $\frac{5y-15}{2y+8} \times \frac{y+4}{10}$

c $\frac{2x-4}{3x-9} \times \frac{5x-15}{7x-14}$

d $\frac{5n+10}{n+3} \times \frac{6n+18}{4n+8}$

e $\frac{7y+28}{21} \times \frac{6}{6y+24}$

f $\frac{1+2a}{10+30a} \times \frac{6+18a}{1-2a}$

g $\frac{y^2+y}{2y+8} \times \frac{4y+6}{3y+3}$

h $\frac{x^2-3x}{x^2} \times \frac{2x^2+5x}{9x-27}$

i $\frac{x+3}{x^2-9} \times \frac{x-3}{x+1}$

j $\frac{3x+15}{x^2-25} \times \frac{x^2-49}{3x-21}$

k $\frac{a^2+5a+6}{a^2-4} \times \frac{a^2-a-2}{a^2-1}$

l $\frac{y^2+3y+2}{y^2+5y+6} \times \frac{y^2+7y+12}{y^2+5y+4}$

m $\frac{x^2+6x+5}{x^2+5x+4} \times \frac{x^2+7x+12}{x^2+12x+35}$

n $\frac{m^2-1}{m^2-6m+5} \times \frac{m^2-10m+25}{m^2-25}$

o $\frac{a^2-4}{a^2+3a-4} \times \frac{a^2-16}{a^2+2a-8}$

p $\frac{2x^2+4x+2}{x^2-1} \times \frac{x^2+3x-4}{4x+4}$

q $\frac{3x^2+5x+2}{x^2-x-2} \times \frac{x^2+x-6}{3x^2+11x+6}$

r $\frac{5a^2+16a+3}{25a^2-1} \times \frac{5a^2-a}{2a^2+5a-3}$

s $\frac{x^2-y^2+x-y}{x^2-2xy+y^2} \times \frac{10x-10y}{5x+5y+5}$

t $\frac{(a+b)^2-c^2}{a^2+ab+ac+bc} \times \frac{a^2+ab-ac-bc}{a+b+c}$

PHYSICS

- i. Go through NCERT Chapter – 12 and draw table 12.1 from NCERT (Page – 203)
- ii. Define Current, write its SI unit and give the mathematical expression for the same. (Page - 200)
- iii. Name the instrument used to measure the current in the Circuit and state how it is connected in a circuit (Page - 200)
- iv. Example 12.1 (Page-200)
- v. Define Potential difference between two points. (NCERT) (Page-201)
- vi. Name the instrument used to measure Potential Difference and state how it is connected in the circuit (Page-202)
- vii. State Ohm's law, give mathematical expression for the same also draw figure 12.3 NCERT (Page-204)
- viii. Define one Ohm of resistance. NCERT (Page – 205)
- ix. Solve examples 12.2, 12.3, 12.4 NCERT

CHEMISTRY

1. Define chemical reaction and chemical equation with example.
2. Define the terms: Reactants, Products, Catalyst with example.
3. Discuss. activity 1.1(page-1) to show burning the Mg-ribbon i.e. reaction between Mg and Oxygen.

4. Do Q. Answer 1 to 3 page -6).
5. Write the different types of chemical reaction, define them with example:

(a) Combination reaction	(b) Decomposition reaction	(c) Displacement reaction
(d) Double Displacement reaction	(e) Precipitation reaction	(f) Neutralisation reaction
(g) Redox reaction.		
6. Discuss the activity 1.6 to show the Decomposition reaction of lead nitrate.
7. Discuss the activity 1.7 to the electrolysis of water.
8. Do Questions_answer:1to2 (page-10), 1 to 3 (page-13)

BIOLOGY

1. Ch-6 Life processes

Topics covered :

Autotrophic nutrition, heterotrophic nutrition.

Home Work

i. Complete intext question answer till pg. No. 100

ii. Complete NCERT Ex. question No. 5,6,7

iii. Draw figure 6.6

2. Ch-6. Life processes

Topic covered : Respiration

Home Work

i. Complete intext question answer till pg. No. 104

ii. Complete NCERT Ex. question No. 8, 9

iii. Draw figure 6.9

3. Ch-6 Life processes

Topics covered :

Transportation, excretion.

Home Work

i. Complete intext question answer till pg. No. 112.

ii. Complete NCERT Ex. question No. 10,11,12,13

iii. Draw figure 6.10, 6.13, 6.14.

HISTORY

i. Explain the phase of Proto-Industrialisation in 17th and 18th century.

ii. Write the different year and invention finding out from the chapter 'The Age of Industrialisation'.

iii. Explain why did women workers in Britain attacked the Spinning Jenny?

iv. Write and learn the definition of new terms of the chapter 'The Age of Industrialisation'

v. Write and learn the work of Gomasthas.

vi. Write a note on 'Manchester comes to India'.

GEOGRAPHY

i. Define a resource and show the relationship between Nature, Technology and Institutions with a diagram.

ii. Draw the flow chart to show the classification of resource on various grounds.

iii. Classify and explain the resource on the basis of exhaustibility.

iv. Write a note on 'Rio de Janeiro' Earth summit, 1992.

v. Explain the resource planning in India.

vi. On the outline map of India show the major types and colour it.

ECONOMICS

i. Ch – 1 Development – Q4 to Q12 (Page – 16, 17)

ii. Ch – 2 Sectors of Indian Economy – Q6 to Q10 (Page-36, 37)

CIVICS

i. Ch – 1 Power Sharing : Q8, Q9 (Page – 12)

ii. Ch – 1 Define the terms – (a) Civil War (b) Ethnic (c) Prudential

iii. Ch – 2 Federalism : Q6 and Q11 (Page – 27, 28)