



# SelaQui

INTERNATIONAL SCHOOL

## **HOLIDAY HOMEWORK**

### **JUNE 2021-22**

**Class 10 B**

**Class Teacher**

**Mr. Mahesh Sen**  
**maheshs@selaqui.org**

S.No.	Subject	Teachers
1.	English	Dr. Sunil Rai acad.srmaster@selaqui.org
2.	Hindi	Ms. Kanishhka Goswamiy kanishhkag@selaqui.org
3.	Mathematics	Mr. Mahesh Sen maheshs@selaqui.org
4.	Physics	Mr. Abhishek Kumar abhishekk@selaqui.org
5.	Chemistry	Mr. Mathew Alani mathewa@selaqui.org
6.	Biology	Ms. Prachi Kulshrestha prachik@selaqui.org
7	Social Science	Mr. Sahil Kumar sahilk@selaqui.org
8	Computer (ICT)	Mr. Bhupendra Jangir bhupendraj@selaqui.org

**Contents**

English ..... 3

Hindi ..... 4

Mathematics:..... 8

Physics: ..... 12

Chemistry:..... 15

Biology: ..... 17

Social Science:..... 18

Computer (ICT): ..... 19

## English

### 1. Listening –

The Bet – Anton Chekhov

<https://www.youtube.com/watch?v=eD2m2RLpRa4>

The Gift of the Magi – O Henry

<https://www.youtube.com/watch?v=hf0gM-fSqgc>

After listening to the audio stories, you are expected to write a summary each for both the short stories [Word Limit – 300 to 500 words]

Submission of Assignment – Word Document [Named – Name of the story/ Student's Name/ Admission Number]

### 2. Reading –

Dusk – Saki

<http://www.eastoftheweb.com/short-stories/UBooks/Dusk807.shtml>

The Tiger in the Tunnel - Ruskin Bond

<http://www.gasckgm.org/kgm%20econtent/english/BA%20III%20rd%20YEAR/53B%20Indian%20Writing%20in%20English%20e.pdf>

Read the two stories mentioned above and rewrite the endings giving the stories your own personal twist.

Submission of Assignment – PPT 2 to 3 slides using more pictorial depiction and fewer words [Named – Name of the story/ Student's Name/ Admission Number]

### 3. Writing –

A Psalm of Life – HW LONGFELLOW

<HTTPS://WWW.POETRYFOUNDATION.ORG/POEMS/44644/A-PSALM-OF-LIFE>

All the world's a stage – William Shakespeare

<https://www.poetryfoundation.org/poems/56966/speech-all-the-worlds-a-stage>

Read the given poems about Life and write an Article in about 500 to 1000 words about your understanding of LIFE. You may refer to other sources as well or seek for insights but preparing a questionnaire for your parents and grandparents to answer thus contributing to the understanding of Life. Once you have collated all available opinions and data you may proceed to write the article.

Submission of Assignment – Word Document [Title of the Article / Student's Name/ Admission Number]

## Hindi

### कार्यपत्रिका - 1

#### कक्षा -10

कबीर - साखी

कबीर की साखियों की व्याख्या अपने शब्दों में कीजिए। व्याख्या में एक उदाहरण देना अनिवार्य है।

प्रत्येक साखी की व्याख्या 80-100 शब्दों में हो।

1. ऐसी बाँगी बोलिये, मन का आपा खोइ।

अपना तन सीतल करै, औरन कौ सुख होइ।।

2. कस्तूरी कुंडली बसै, मृग ढूँढै बन माँहि।

ऐसैं घटि- घटि राँम है, दुनियां देखै नाँहि।।

3. जब मैं था तब हरि नहीं, अब हरि हैं मैं नाँहि।

सब अँधियारा मिटी गया, जब दीपक देख्या माँहि।।

4. सुखिया सब संसार है, खायै अरु सोवै।

दुखिया दास कबीर है, जागै अरु रोवै।।

5. बिरह भुवंगम तन बसै, मंत्र न लागै कोइ।

राम बियोगी ना जिवै, जिवै तो बौरा होइ।।

6. निंदक नेड़ा राखिये, अँगणि कुटी बँधाइ।

बिन साबण पाँणीं बिना, निरमल करै सुभाइ।।

7. पोथी पढ़ि - पढ़ि जग मुवा, पंडित भया न कोइ।

ऐकै अषिर पीव का, पढ़ै सु पंडित होइ।

8. हम घर जाल्या आपणाँ, लिया मुराड़ा हाथि।

अब घर जालौं तास का, जे चलै हमारे साथि।।

नीचे दिए गए प्रश्नों के उत्तर 50-60 शब्दों में लिखिए।

1. कबीर की साखियों से क्या शिक्षा मिलती है ?

2. कबीर की भाषा पर प्रकाश डालिए।

## कार्यपत्रिका – 2

हरिहर काका

हरिहर काका कहानी का सार 100-120 शब्दों में लिखिए ।

इस कहानी में निहित व्यंग्यात्मकता पर अपनी टिप्पणी दीजिए । (100-120 शब्द )

नीचे दिए गए प्रश्नों के उत्तर 50-60 शब्दों में लिखिए ।

1. हरिहर काका कौन हैं?
2. गाँव में ठाकुरबारी की स्थापना किसने की थी?
3. हरिहर काका कहानी लिखने का मूल उद्देश्य क्या है?
4. स्वार्थ के लिए लोग क्या-क्या करते हैं?
5. वर्तमान समय में हरिहर काका जैसे लोगों को देखते हुए युवा पीढ़ी का क्या कर्तव्य होना चाहिए?
6. क्या हरिहर काका एक शोषित वर्ग के प्रतिनिधि के रूप में नज़र आते हैं?
7. हरिहर काका को जबरन उठकर ले जाने वालों ने उनके साथ कैसा व्यवहार किया?
8. लेखक की ठाकुरबारी के विषय में क्या राय है?
9. हरिहर काका के मामले में गाँव वालों की क्या राय थी और उसके क्या कारण थे?
10. यदि आपके आसपास हरिहर काका जैसी हालत में कोई हो तो आप उसकी मदद कैसे करेंगे?

### कार्यपत्रिका - 3

बड़े भाई साहब

लेखक प्रेमचंद के विषय में जानकारी प्राप्त कर 100-150 शब्दों में लिखिए।

बड़े भाई साहब कहानी में शिक्षा व्यवस्था पर जो विचार दिए गए हैं उनका उल्लेख करते हुए आलोचन प्रस्तुत कीजिए।

नीचे दिए गए प्रश्नों के उत्तर 50-60 शब्दों में लिखिए।

1. बड़े भाई साहब छोटे भाई से हर समय पहला सवाल क्या पूछते थे ?
2. बड़े भाई साहब छोटे भाई से उम्र में कितने बड़े थे ?
3. 'सिर पर नंगी तलवार लटकना' का सही अर्थ क्या हो सकता है ?- मृत्यु का भय होना या खूब खरी खोटी सुनाना।
4. पाठ में बड़े भाई की छवि कैसी है?
5. लेखक द्वारा समय-सारिणी क्यों बनाई गई ?
6. लेखक का मन पढ़ाई में न लगकर किन कार्यों में लगता था?
7. एक परिवार में बड़े भाई या बहन का अपने छोटे भाई-बहनों के साथ कैसा व्यवहार होता है?
8. शिक्षा को लेकर बड़े भाई साहब का क्या मत था?
9. क्या पाठ में बड़े भाई का बचपन जिम्मेदारियों तले दबकर गायब हो गया है?
10. इस पाठ के माध्यम से हमारी शिक्षा पद्धति की कौन सी कमी उजागर हुई है ?

### कार्यपत्रिका - 4

चित्र को देखकर अपनी सोच के मुख्य बिंदुओं को लिखें।



### कार्यपत्रिका - 5

नीचे दिए गए लिंक द्वारा मुंशी प्रेमचंद की इन तीन कहानियों को पढ़कर उससे प्राप्त कोई पाँच मूल विचार लिखिए।

<https://munshipremchandkikahani.blogspot.com/2017/09/namak-ka-daroga.html>

<https://munshipremchandkikahani.blogspot.com/2017/09/do-bailo-ki-katha.html>

<https://munshipremchandkikahani.blogspot.com/2018/05/koi-dukh-na-ho-to-bakri-la.html>

**Mathematics:****Real Number-(Worksheet-1)**

1. Show that  $12^n$  cannot end with the digit 0 or 5 for any natural number  $n$ .
2. Using Euclid's division algorithm, find which of the following pairs of numbers are co-prime:  
(i) 231, 396 (ii) 847, 2160
3. In a morning walk, three persons step off together and their steps measure 40 cm, 42 cm and 45 cm, respectively. What is the minimum distance each should walk so that each can cover the same distance in complete steps?
4. Explain why  $3 \times 5 \times 7 + 7$  is a composite number.
5. If  $\text{LCM}(480, 672) = 3360$ , find  $\text{HCF}(480, 672)$ .
6. Find the HCF of 65 and 117 and express it in the form  $65m + 117n$ .
7. If the HCF of 210 and 55 is expressible in the form of  $210x + 55y$ , find  $y$ .
8. Find the largest number which divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
9. Two tankers contain 850 litres and 680 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil of both the tankers when used an exact number of times.
10. Find the HCF and LCM of 144, 180 and 192 by using Euclid's Division Lemma.

**Real Number-(Worksheet-2)**

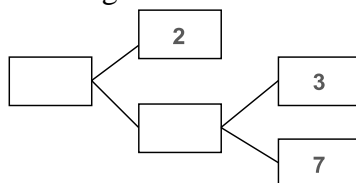
1. A circular field has a circumference of 360 km. Three cyclists start together and can cycle 48, 60 and 72 km a day, round the field. When will they meet again?
2. Find the smallest number which leaves remainders 8 and 12 when divided by 28 and 32 respectively.
3. Find the smallest number which when increased by 17 is exactly divisible by 520 and 468.
4. Find the greatest numbers that will divide 445, 572 and 699 leaving remainders 4, 5 and 6 respectively.
5. Find the greatest number which divides 2011 and 2423 leaving remainders 9 and 5 respectively.
6. Find the greatest number which divides 615 and 963 leaving remainder 6 in each case.
7. Find the greatest number which divides 285 and 1249 leaving remainders 9 and 7 respectively. Find the largest possible positive integer that will divide 398, 436, and 542 leaving remainder 7, 11, 15 respectively.
8. If  $d$  is the HCF of 30, 72, find the value of  $x$  &  $y$  satisfying  $d = 30x + 72y$ .



9. State Euclid's Division Lemma.
10. State the Fundamental theorem of Arithmetic.

### Real Number-(Worksheet-3)

1. Given that  $\text{HCF}(306, 657) = 9$ , find the  $\text{LCM}(306, 657)$ .
2. Why the number  $4^n$ , where  $n$  is a natural number, cannot end with 0?
3. Why is  $5 \times 7 \times 11 + 7$  is a composite number?
- 4.
5. Using Euclid's division algorithm, find the HCF of 2160 and 3520.
6. Find the HCF and LCM of 144, 180 and 192 by using prime factorization method.
7. Find the missing numbers in the following factorization:



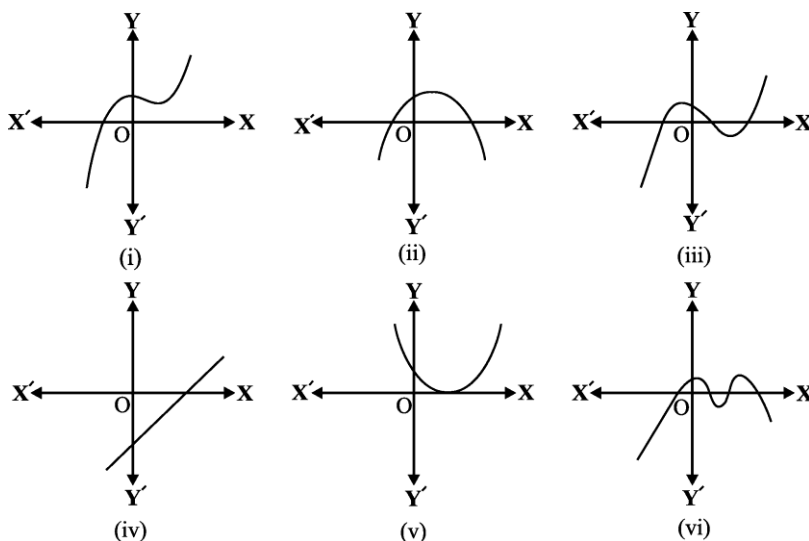
8. Find the HCF and LCM of 17, 23 and 37 by using prime factorization method.
9. If  $\text{HCF}(6, a) = 2$  and  $\text{LCM}(6, a) = 60$  then find the value of  $a$ .
10. Prove that  $3 - \sqrt{5}$  is an irrational number.
11. Prove that  $7 + 3\sqrt{7}$
12. Express each of the following positive integers as the product of its prime factors: (i) 140 (ii) 156 (iii) 234
13. There is circular path around a sports field. Priya takes 18 minutes to drive one round of the field, while Ravish takes 12 minutes for the same. Suppose they both start at the same point and at the same time and go in the same direction. After how many minutes will they meet again at the starting point?
14. In a morning walk, three persons step off together and their steps measure 80 cm, 85 cm and 90 cm, respectively. What is the minimum distance each should walk so that each can cover the same distance in complete steps?

### Polynomials -1

1. If the polynomial  $6x^4 + 8x^3 + 17x^2 + 21x + 7$  is divided by another polynomial  $3x^2 + 4x + 1$ , the remainder comes out to be  $(ax + b)$ , find  $a$  and  $b$ .
2. If the polynomial  $x^4 + 2x^3 + 8x^2 + 12x + 18$  is divided by another polynomial  $x^2 + 5$ , the remainder comes out to be  $px + q$ , find the value of  $p$  and  $q$ .
3. Find the sum and product of zeroes of  $p(x) = 2(x^2 - 3) + x$
4. If one zero of the quadratic polynomial  $x^2 + 3x + k$  is 2, then find the value of  $k$

5. Obtain all the zeroes of  $3x^4 + 6x^3 - 2x^2 - 10x + 5$ , if two of its zeroes are  $\sqrt{5}/3$  and  $-\sqrt{5}/3$

6. Find the number of zeroes in each of the following:



7. If the zeroes of the polynomial  $x^3 - 3x^2 + x + 1$  are  $a - b, a, a + b$ , find  $a$  and  $b$ .

8. Find a cubic polynomial whose zeroes are  $-2, -3$  and  $-1$ .

9. Verify that  $3, -2$  and  $1$  are the zeroes of the cubic polynomial  $p(x) = x^3 - 2x^2 - 5x + 6$  and verify the relation between its zeroes and coefficients.

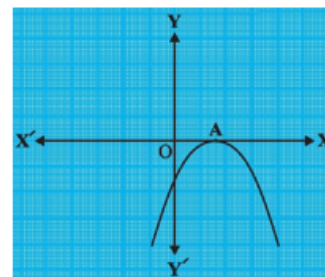
10. Find the quotient and remainder when  $4x^3 + 2x^2 + 5x - 6$  is divided by  $2x^2 + 3x + 1$ .

11. If  $\alpha$  and  $\beta$  are the zeroes of the quadratic polynomial  $f(x) = x^2 - 5x + 4$ , then find the value of  $\alpha^2 + \beta^2$

**(MCQ -Polynomials)**

1. The value of  $k$  for which  $(-4)$  is a zero of the polynomial  $x^2 - x - (2k + 2)$  is  
 (a) 3 (b) 9 (c) 6 (d) -1

2. If the zeroes of the quadratic polynomial  $ax^2 + bx + c, c \neq 0$  are equal, then  
 (a)  $c$  and  $a$  have opposite sign (b)  $c$  and  $b$  have opposite sign  
 (c)  $c$  and  $a$  have the same sign (d)  $c$  and  $b$  have the same sign

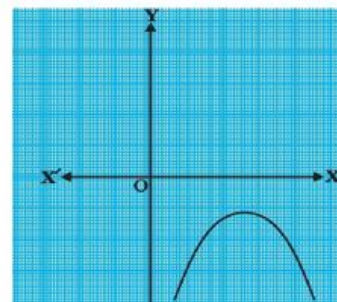


3. The number of zeroes of the polynomial from the graph is  
 (a) 0 (b) 1 (c) 2 (d) 3

4. If one of the zero of the quadratic polynomial  $x^2 + 3x + k$  is  $2$ , then the value of  $k$  is  
 (a) 10 (b) -10 (c) 5 (d) -5

5. A quadratic polynomial whose zeroes are  $-3$  and  $4$  is  
 (a)  $x^2 - x + 12$  (b)  $x^2 + x + 12$  (c)  $2x^2 + 2x - 24$  (d) none of the above.

6. The relationship between the zeroes and coefficients of the quadratic polynomial  $ax^2 + bx + c$  is (a)  $\alpha + \beta = \frac{c}{a}$  (b)  $\alpha + \beta = \frac{-b}{a}$  (c)  $\alpha + \beta = \frac{-c}{a}$  (d)  $\alpha + \beta = \frac{b}{a}$
7. The zeroes of the polynomial  $x^2 + 7x + 10$  are (a) 2 and 5 (b) -2 and 5 (c) -2 and -5 (d) 2 and -5
8. The relationship between the zeroes and coefficients of the quadratic polynomial  $ax^2 + bx + c$  is (a)  $\alpha.\beta = \frac{c}{a}$  (b)  $\alpha.\beta = \frac{-b}{a}$  (c)  $\alpha.\beta = \frac{-c}{a}$  (d)  $\alpha.\beta = \frac{b}{a}$
9. The zeroes of the polynomial  $x^2 - 3$  are (a) 2 and 5 (b) -2 and 5 (c) -2 and -5 (d) none of the above
10. The number of zeroes of the polynomial from the graph is (a) 0 (b) 1 (c) 2 (d) 3
11. A quadratic polynomial whose sum and product of zeroes are -3 and 2 is (a)  $x^2 - 3x + 2$  (b)  $x^2 + 3x + 2$  (c)  $x^2 + 2x - 3$  (d)  $x^2 + 2x + 3$ .



## Physics:

### Multiple Choice Questions: Choose the most appropriate answer.

**Q1. A Spherical mirror with its reflecting surface on the outside is a**

- a. Plane mirror
- b. concave mirror
- c. convex mirror
- d. either concave or convex depending on which way you look at it.

**Q2. If a concave mirror forms a real magnified image of an object, the object is located**

- a. Between pole and focus
- b. between focus and centre of curvature
- c. beyond centre of curvature
- d. at centre of curvature.

**Q3. At what position of the object does a convex lens act as a magnifying glass?**

- a. between F and 2F
- b. between F and O
- c. beyond F
- d. beyond 2F

**Q4. Band of which of these colours is not seen in a spectrum?**

- a. green
- b. yellow
- c. purple

**Q5. Which of the following shows lateral inversion?**

- a. plane mirror
- b. convex mirror
- c. concave mirror
- d. all of these

**Q6. The angle of incidence is the angle between**

- a. the incident ray and the mirror
- b. the incident ray and the normal \
- c. the reflected ray and the mirror
- d. the reflected ray and the normal

**Q7. A rear view mirror in a car or motorcycle is a**

- a. concave mirror
- b. convex mirror
- c. parabolic mirror
- d. any one of the above

**Q8. An image which cannot be obtained on a screen is called a**

- a. real image
- b. virtual image
- c. magnified image
- d. none of the above

**Q9. While shaving, a man uses a**

- a. concave mirror
- b. convex mirror
- c. concave lens
- d. convex lens

**Q10. A plane mirror produces a**

- a. virtual inverted image always
- b. real image always
- c. virtual or real image depending on the distance of the object from the mirror.
- d. virtual erect image always.

**Q11. If an object is placed at a distance of 0.5 m in front of a plane mirror, the distance between the object and the image formed by the mirror will be**

- a. 2m
- b. 1m
- c. 0.5m
- d. 0.25m

**Q12. A rainbow can be seen in the sky**

- a. when the sun is in front of you
- b. when the sun is behind you
- c. when the sun is overhead
- d. only at the time of sunrise

**Fill in the blanks.**

Q1. The splitting of white light into its constituent colours is called\_\_\_\_\_ and the band of colors obtained is called\_\_\_\_\_.

Q2. The inner surface of a steel spoon acts as a\_\_\_\_\_mirror.

Q3. The outer surface of a flat steel plate acts as a\_\_\_\_\_mirror.

Q4. The outer shining surface of a round bottom steel bowl acts as a \_\_\_\_\_ mirror.

Q5. The inner surface of the reflector of a torch acts as a\_\_\_\_\_mirror.

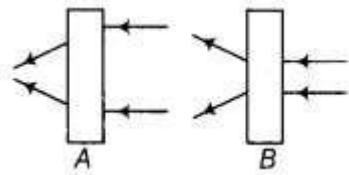
**Very Short Answer.**

**Q1. Avni stands 7m in front of a plane mirror with a painting on a wall 2m behind her. Calculate the distance between:**

- a. Avni and the image of the painting
- b. Avni's image and the image of the painting.
- c. Avni and her image.
- d. Avni's image and the painting if Avni moves 2m towards the mirror.

**Q2. The image formed by a lens is always virtual, erect and smaller in size for an object kept at different positions in front of it. Identify nature of lens.**

**Q3. Observe the figures carefully.**



The given figures show the path of light through lenses of two different types, represented by rectangular boxes A and B. What is the nature of lenses A and B?

Q4. Anil made light from a laser torch to fall on a prism. Will he be able to observe a band of seven colours? Explain with a reason.

Q5. The side mirror of a scooter got broken. The mechanic replaced it with a plane mirror. Mention any inconvenience that the driver of the scooter will face while using it?

Q6. The concave reflecting surface of a torch got rusted. What effect would this have on the beam of light from the torch?

Q7. A shopkeeper wanted to fix a mirror which will give a maximum view of his shop. What type of mirror should he use? Give reason.

Q8. The distance between an object and a convex lens is changing. It is noticed that the size of the image formed on a screen is decreasing. Is the object moving in a direction towards the lens or away from it?

### **Long Answer Question.**

Q1. You are given three mirrors of different types. How will you identify each one of them?

Q2. Identify three letters of the English alphabet or of your mother tongue whose mirror images are exactly the same as the letters.

Q3. Car rear view mirrors carry a warning message that ‘objects in the rear view mirror are closer than they appear’. Why do you think this is so?

### **Activity On Curved Mirrors**

<https://www.woodstown.org/cms/lib4/NJ01001783/Centricity/Domain/8/Texts/ACS/resources/ap/ch3/act5.pdf>

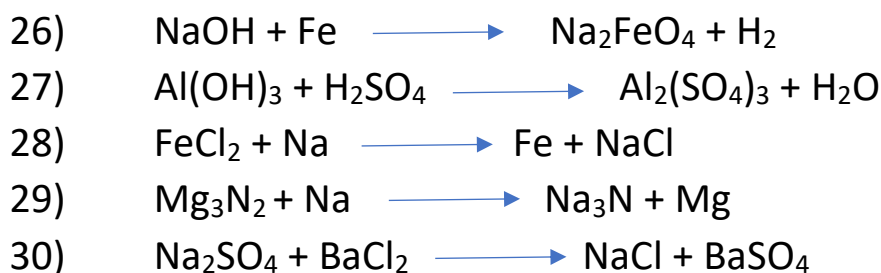
### **Quiz on Reflection and Spherical mirrors**

<https://quizizz.com/join?gc=65271578>

**Chemistry:**

A) Balance the following equations, identify the states of the compounds and identify the type of reaction-

- 1)  $\text{N}_2 + \text{H}_2 \longrightarrow \text{NH}_3$
- 2)  $\text{Ca}(\text{OH})_2 + \text{CO}_2 \longrightarrow \text{CaCO}_3 + \text{H}_2\text{O}$
- 3)  $\text{NaI} + \text{Cl}_2 \longrightarrow \text{NaCl} + \text{I}_2$
- 4)  $\text{H}_2 + \text{O}_2 \longrightarrow \text{H}_2\text{O}$
- 5)  $\text{Pb}(\text{OH})_2 + \text{HCl} \longrightarrow \text{PbCl}_2 + \text{H}_2\text{O}$
- 6)  $\text{AlCl}_3 + \text{K}_2\text{SO}_4 \longrightarrow \text{Al}_2(\text{SO}_4)_3 + \text{KCl}$
- 7)  $\text{FeCl}_2 + \text{Al} \longrightarrow \text{Fe} + \text{AlCl}_3$
- 8)  $\text{FeCl}_3 + \text{NaOH} \longrightarrow \text{Fe}(\text{OH})_3 + \text{NaCl}$
- 9)  $\text{S}_8 + \text{O}_2 \longrightarrow \text{SO}_3$
- 10)  $\text{NaBr} + \text{CaF}_2 \longrightarrow \text{NaF}_2 + \text{CaBr}$
- 11)  $\text{H}_2\text{O} + \text{O}_2 \longrightarrow \text{H}_2\text{O}_2$
- 12)  $\text{Na} + \text{H}_2\text{O} \longrightarrow \text{NaOH} + \text{H}_2$
- 13)  $\text{K} + \text{MgBr}_2 \longrightarrow \text{KBr} + \text{Mg}$
- 14)  $\text{CH}_4 + \text{O}_2 \longrightarrow \text{CO}_2 + \text{H}_2\text{O}$
- 15)  $\text{P} + \text{O}_2 \longrightarrow \text{P}_2\text{O}_5$
- 16)  $\text{Al} + \text{Fe}_3\text{N}_2 \longrightarrow \text{AlN} + \text{Fe}$
- 17)  $\text{AgNO}_3 + \text{Cu} \longrightarrow \text{Ag} + \text{Cu}(\text{NO}_3)_2$
- 18)  $\text{TiCl}_4 + \text{H}_2\text{O} \longrightarrow \text{TiO}_2 + \text{HCl}$
- 19)  $\text{Fe}_2\text{O}_3 + \text{C} \longrightarrow \text{Fe} + \text{CO}_2$
- 20)  $\text{P}_4\text{O}_{10} + \text{H}_2\text{O} \longrightarrow \text{H}_3\text{PO}_4$
- 21)  $\text{Mg}(\text{OH})_2 + \text{H}_2\text{SO}_4 \longrightarrow \text{MgSO}_4 + \text{H}_2\text{O}$
- 22)  $\text{AgCl} \longrightarrow \text{Ag} + \text{Cl}_2$
- 23)  $\text{AgNO}_3 + \text{MgCl}_2 \longrightarrow \text{AgCl} + \text{Mg}(\text{NO}_3)_2$
- 24)  $\text{Zn} + \text{HCl} \longrightarrow \text{ZnCl}_2 + \text{H}_2$
- 25)  $\text{KClO}_3 \longrightarrow \text{KCl} + \text{O}_2$



B) Identify and justify whether the following salts are soluble in water and what the colour of the respective salts are-

- 1) NaCl
- 2) MgSO<sub>4</sub>
- 3) FeCl<sub>3</sub>
- 4) BaCl<sub>2</sub>
- 5) BaSO<sub>4</sub>
- 6) (CH<sub>3</sub>COO)<sub>2</sub>Ba
- 7) CaCO<sub>3</sub>
- 8) Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>
- 9) FeCl<sub>2</sub>
- 10) MnSO<sub>4</sub>
- 11) Cr<sub>2</sub>O<sub>3</sub>
- 12) AlCl<sub>3</sub>
- 13) KMnO<sub>4</sub>
- 14) K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>
- 15) BaSO<sub>3</sub>



**Biology:****Art integrated project- Choose any 1 from the following projects:**

Projects	Art Form	Project Title	Project Description	Rubrics
<b>1</b>	Video/film making	Heredity and evolution	Compare and contrast the body features (eg. Eye color) in your close and distant relatives to study heredity and linkage. Compile the clips and make a video of not more than 2 minutes. (Reference: Chapter 9- Heredity and evolution)	Will assess Relevance & Development of the theme / topic and creativity
<b>2</b>	Brochure/Flyer /Document Making	Endocrine glands and their secretions	Discuss the glands, their secretions, location and disorders due to hormonal imbalance. (Reference: Chapter 7- Control and coordination)	Will assess Relevance & Development of the theme / topic and creativity
<b>3</b>	Painting	Food chain	Make a painting illustrating the food chain in any one ecosystem. (Reference: Chapter 15- Our environment)	Craftsmanship, neatness and creativity
<b>4</b>	Infographic making	Mechanism of heart	Explain the mechanism of heart with the help of an infographic. You may use various apps available on internet for the purpose. (Reference: Chapter 6-Life processes)	Will assess application- applies ideas to develop original pieces of art.

## Social Science:

- I. Every student has to compulsorily undertake **any one project** on the following topics:

**Consumer Awareness**

*(Any issue with regard to consumer awareness, its significance/impact etc. may be chosen. Example used or project done should be related to Karnataka.)*

OR

**Social Issues**

*(Student may choose any social issue for the project, but it should be related to the state of Karnataka)*

OR

**Sustainable Development**

*(Student may choose any topic with reference to sustainable development in the state of Karnataka)*  
If required, students may go out for collecting data and use different primary and secondary resources to prepare the project. If possible, different forms of art may be integrated in the project work

**The Project Report should be handwritten by the students themselves.**

**The distribution of marks over different aspects relating to Project Work is as follows:**

- |   |   |
|---|---|
| a. Content accuracy, originality and analysis | 2 |
| b. Presentation and creativity                | 2 |
| c. Viva Voce                                  | 1 |

*Records pertaining to projects (internal assessment) of the students will be maintained for a period of three months from the date of declaration of result for verification at the discretion of Board.*

The project must comprise the following:

1. Acknowledgement
2. Content
3. Introduction
4. Body
5. Conclusion
6. Bibliography

Illustrate your project with images/ illustrations/ graphs.

Submission : **All students will submit the hard copy of their project when they return to school.**

- II. Students will be given worksheets in History, Democratic Politics, Geography and Economics. All students will complete the work given and write their answers in their notebooks. Notebooks will be submitted for correction once the students return to campus. In the meanwhile, students will be compile the work in a pdf file and submit it on teams.

## Computer (ICT):

1. Study 10 most commonly used ICT tools for teachers (<https://pedagoo.com/10-ict-tools-for-teachers-you-cant-miss/?lang=en>). Please prepare the HTML file of their name and descriptions.
2. Create a list of 10 popular games you know. Then prepare the HTML file of their name, images and descriptions.
3. Create a list of 10 wishes and how will you make it possible (Plan for their execution). Then prepare a HTML file having Wish and plan of execution.
4. Please attempt following quiz  
<https://quizizz.com/admin/quiz/5a131172d384a711003b812e/html-basics>

Note- Please make a note of the question you are facing a problem. And ask immediately. You can also try a similar kind of worksheet for practice.



SelaQui

**SelaQui International School**

website : [www.selaqui.org](http://www.selaqui.org)