

**SELAQUI INTERNATIONAL SCHOOL**  
**HOLIDAY HOMEWORK**  
**SUMMER VACATION 2018-19**  
**(CLASS IXA&B)**

**ENGLISH**

Vacations are a lot about catching up on the lost sleep, feasting on foods that made one salivate for only too long and catching up with the civilization after living under the rock for months but, let it not be just that.

Get out there and play in the sun and sport a tan, carry the holiday weight along with a bag full of memories back to SelaQui.

This summer we urge you to travel. See new places, taste new food items, *interact with the locals and bring us back their wisdom and experiences in the form of a report along with a photo and perhaps even with a short video. So get out there and talk to at 3 people in your favourite cafe or a nearby village. Ask them about their lives, occupations, interests... Anything that tells their story. Then write it all down in the form of a report and paste a photo of the person on the facing page. Do this in a scrap book. You may also record your interaction with them, with their permission and use it upon coming back because there will be a class presentation of the same.*

**Wondering why you should do this?**

The big idea is to develop listening and speaking skills i.e. communication skills while helping one overcome their social awkwardness, hone writing skills and kindle in the student a love for seeing the world through a lens (hopefully). The upside? You may ask your parents for a little extra pocket money and perhaps make new friends as well!

Secondly, you must read Gulliver's travels to Lilliput i.e. the first part of the novel. There will be a quiz on the same. This will help develop your reading habits.

**HINDI/ FRENCH**

1. कहानी, उपन्यास अथवा कोई साहित्यिक पुस्तक (120 पृष्ठ या अधिक) पढ़ें व उस पर आधारित 10 प्रश्न तैयार करें | विद्यालय लौटने पर पुस्तक समीक्षा होगी |
2. हिंदी समाचार पत्र और पत्रिकाओं से कोई तीन विज्ञापन काट कर चिपकाएँ व उनके सामने उनसे मिलते जुलते कोई अन्य तीन विज्ञापन स्वयं तैयार करें |
3. अपनी व्याकरण पुस्तिका से या अपनी और से किन्हीं तीन विषयों पर संवाद-लेखन करें |

OR



Write the answers to following 12 questions in a notebook

**I. Pose des questions :**

1. Je m'appelle Nikhil.
2. J'ai quatorze ans.
3. J'habite à Madurai.
4. Je suis étudiant à 'Global School'.
5. Ma mère est institutrice.

**II. Relie les phrases :**

- Ex. Il s'appelle Mohamad Qureshi, Il a 75 ans. C'est le grand-père de Jamal.
1. Elle s'appelle Shazia Banu. Elle a 75 ans. (i) C'est la petite soeur de Jamal.
  2. Elle s'appelle Amina. Elle a 5 ans. (ii) C'est la mère de Jamal.
  3. Il s'appelle Hanif Qureshi. Il a 45 ans. (iii) C'est l'oncle de Jamal.
  4. Elle s'appelle Sania Qureshi. Elle a 40 ans. (iv) C'est le père de Jamal.
  5. Il s'appelle Farhan Qureshi. Il a 23 ans. (v) C'est la grand-mère de Jamal.

### III. Écris en lettres :

1. 79 : .....
2. 21 : .....
3. 88 : .....
4. 97 : .....
5. 11 : .....

### IV. Remplis les blancs avec un, une, des/le, la, l', les :

1. C'est ..... table. C'est ..... table de Philippe.
2. C'est ..... chat. C'est ..... chat de mon ami Félix.
3. C'est ..... professeur. C'est ..... professeur d'Uday.
4. Ce sont ..... chaussures. Ce sont ..... chaussures de l'élève.
5. Ce sont ..... stylos. Ce sont ..... stylos du professeur.

### V. Remplis avec au, à la, aux, en etc. :

Ex: **Sophie va au Canada. Sophie est Canadienne**

1. Ali habite ..... Sénégal. Ali est .....
2. Mark va ..... Etats-Unis. Marc est .....
3. Ruchi et Nita habitent ..... Inde. Elles sont .....
4. Hamid vit ..... Pakistan. Il est .....
5. Linda et ses parents habitent ..... Australie. Ils sont .....

### VI. Fais des phrases avec les expressions suivantes :

1. à côté de : .....
2. près de : .....
3. à gauche de : .....
4. devant : .....
5. à droite de : .....

### VII. Remplis les blancs avec grand-père, grand-mère, oncle, tante etc.

1. Mon ..... est marié à ma grand-mère.
2. Le fils de ma mère est mon .....
3. Le frère de mon père est mon .....
4. La ..... de ma mère est ma tante.
5. La mère de ma mère est ma .....

### VIII. Complète selon l'exemple :

Ex. **Elle n'est pas Anglaise (Danois) Elle est Danoise.**

1. Tu n'es pas Chinois. .... (Japonais)
2. Vous, monsieur, vous n'êtes pas Indonésien. .... (Népalais)
3. Ils ne sont pas Mexicains. ....(Argentin)
4. Nous, nous ne sommes pas Brésiliens..... (Canadien)
5. Toi, Rehana, tu n'es pas Pakistanaise ..... (Indien)

### IX. Remplis les blancs avec mon, ma, ton, ta, notre, votre, etc. :

1. Salut Marie! Ils sont jolis ..... bracelets.
2. Ce sont les bracelets de ..... soeur.
3. C'est un cadeau de ..... copain.
4. Et ce collier! Il est aussi à ..... soeur?
5. Non, c'est un cadeau de ..... oncle. Il est sympa ..... oncle.

**X. Complète avec ce, cet, cette, ces :**

1. Il fait quelque chose ..... soir.
2. .... plans indiquent tous les arrêts d'autobus de la ville.
3. Je dois finir ..... article pour demain.
4. Elle aime bien ..... ville.
5. Je me souviens de ..... jour-là.

**XI. Lis le texte ci-dessous :**

**La journée de Nicole**

Ma journée commence assez tôt. Je me réveille à six heures, mais je me lève à sept heures moins le quart. **D'abord**, je vais dans la salle de bains pour me doucher. **Ensuite**, je m'habille et je prends le petit déjeuner. **Après** le petit déjeuner, je vais à l'école. C'est à huit heures que les cours commencent. Les cours finissent à quatorze heures vingt-cinq.

Ensuite, je prends le déjeuner. L'après-midi, je me repose, je m'amuse et je me promène avec mon amie. Je fais de la danse. Je fais mes devoirs et j'apprends mes leçons. Le soir, j'écoute la radio et je regarde la télévision. Je me couche à neuf heures.

**Et toi, décris ta journée dans ton cahier (dix phrases minimum)**

**XII. Décris ta famille en dix à douze phrases dans ton cahier.**

**MATHS & SCIENCE**

**A. Attempt an edmodo assignment (<https://www.edmodo.com>)**

The questions in the assignment are based on chapters from CAP 1 syllabus of Physics, chemistry and biology.

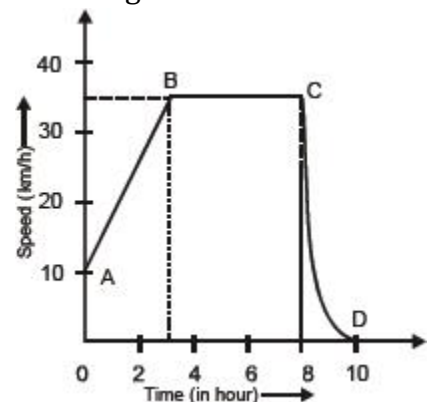
- Login to your edmodo account.
- Join the class "Class 9 Summer Break Assignment" with the group code **avra89**
- Attempt the assignment.
- Note: The deadline for attempting the assignment is July 4, 2018, after which the assignment gets locked automatically and you will no longer be able to attempt. So, it is advised to attempt it at the earliest.

**B. Answer the questions given below: (Please do these in your physics notebook)**

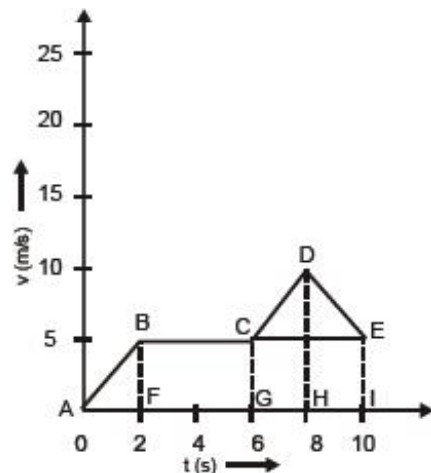
Q1 The graph given alongside shows how the speed of a car changes with time.

- i. What is the initial speed of the car?
- ii. What is the maximum speed attained by the
- iii. Which part of the graph shows zero acceleration?
- iv. Which part of the graph shows varying retardation?
- v. Find the distance travelled in first 8 hours.

Q2 Find the total displacement of the body from the following graph:



car?



Q3 What is Newton's first law of motion? Explain.

Go to this link to get a clear understanding of it.

<https://www.khanacademy.org/science/physics/forces-newtons-laws/modal/a/what-is-newtons-first-law>

### (CHEMISTRY)

To whom correspondence should be addressed: [soham.roy@selaqui.org](mailto:soham.roy@selaqui.org)

- The molar mass of vitamin C is 176.12 g. What is the mass, in grams, of 0.000142 mol of vitamin C?
- The molar mass of glucose is 180.16 g. How many moles of glucose are in 19.1 g of glucose?
- How many protons, electrons, and neutrons does the following  $^{13}\text{C}$  isotope contain? [Fill in the blanks]
- An isotope contains 16 protons, 18 electrons, and 16 neutrons. What is the identity of the isotope?
  - $^{34}\text{S}^{2-}$
  - $^{32}\text{Ar}^{2-}$
  - $^{32}\text{S}^{2-}$
  - $^{34}\text{Ar}^{2-}$
- What is the systematic name of KBr?
  - Potassium bromide
  - Krypton(I) bromide
  - Potassium(I) bromide
  - Krypton bromide
- Name the following ionic compound.  $\text{CuClO}$ . The polyatomic ion hypochlorite has the formula  $\text{ClO}^-$ 
  - Copper hypochloride
  - Copper hypochlorite
  - Copper(I) hypochloride
  - Copper(I) hypochlorite
- What is the formula of iron(III) oxide?
- What is the formula of potassium permanganate?  
*Permanganate has the formula  $\text{MnO}_4^-$*
- What is the most stable monatomic ion formed from iodine?
  - $\text{I}^-$
  - $\text{I}^{7+}$
  - $\text{I}^+$
  - $\text{I}^{2-}$
- Write the formulae for the following and calculate the molecular mass for each one of them.
 

(a) Caustic potash	(b) Baking powder
(c) Lime stone	(d) Caustic soda
(e) Ethanol	(f) Common salt
- In photosynthesis, 6 molecules of carbon dioxide combine with an equal number of water molecules through a complex series of reactions to give a molecule of glucose having a molecular formula  $\text{C}_6\text{H}_{12}\text{O}_6$ . How many grams of water would be required to produce 18 g of glucose? Compute the volume of water so consumed assuming the density of water to be  $1 \text{ g cm}^{-3}$ .

12. Raunak took 5 moles of carbon atoms in a container and Krish also took 5 moles of sodium atoms in another container of same weight. (a) Whose container is heavier? (b) Whose container has more number of atoms?

### SST

#### **The project work in Social Science entails the following requirements-**

1. The total length of the project report will not be more than 15- 20 written pages of foolscap size (A 4 size).
2. The project report will be handwritten and credit will be awarded to original illustrations, drawings and creative use of materials.
3. The project report will be presented in a neatly bound simple folder.
4. Cover page must show title, student information, school and year.
5. List of Contents with page numbers.
6. Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
7. Project Overview- Purpose, Aim, Methodology and experiences while doing the project.
8. Chapters with relevant headings.
9. Summary and Conclusions based on findings.
10. Bibliography- Should have the title, pages referred, author, publisher, year of publication and if a website, the name of the website with the specific website link which has been used.
11. All the photographs should be labelled and acknowledged.

#### **Choose any ONE from the following-**

##### **Topic 1- Water Resources**

Choose any one river/water body in India and prepare a project.

Some Guidelines are given:

1. For Rivers make Maps on the source, course, catchment area, the tributaries, States benefited.
2. Collect Data on the length of the river, the frequency of flooding and Dams and reservoirs on them.
3. Geographic features formed by the river along its upper , middle and lower course - pictures, drawings etc
4. For the water body identify the special characteristics of the water body, its location and extent, the geographical and geological history of the formation of the water body. Pictures and data on depth and area.
5. Legends associated with the river, songs related to water and river,
6. How the river/water body benefits the people - system of water distribution in an urban or rural area.
7. Problems associated with the river/water body.
8. Conservation of the river/water body - Traditional or modern method of water conservation - some methods used.
9. Issues related to water such as Big Dam development, contamination and purification of water, sharing of water resources.

##### **Topic 2- Project on changing trends in Cinema in the 20<sup>th</sup>-21<sup>st</sup> Century**

1. View at least 5 feature films of different time periods from 1960s to current decade in Hindi or regional languages.
2. Evaluate the changing values that the film reflects about society.
3. Describe the change in the depiction of heroes and heroines over the years in the films.
4. Write a film review of at least 2 of the films for the newspapers.

## COMPUTER

Multimedia project on real life application using elements of MS office (word, excel, power point, access and internet) any one.

### **Instructions / guidelines:**

The students are required to prepare at least 15 slides on any two topics given.

One topic should be from (1-20)

Other topic should be from (21-40)

Suggestive list of topics for application building:

- 1) 3D Internet
- 2) 3D Printing
- 3) 4G Technology
- 4) 5 Pen PC Technology
- 5) Android
- 6) AppleTalk
- 7) Blackberry Technology
- 8) Blue Eyes Technology
- 9) Bluejacking
- 10) Blue ray Disc
- 11) Cloud Computing
- 12) CAD/CAM
- 13) Cryptography
- 14) CORBA
- 15) Cyber Crime
- 16) Computer Forensics
- 17) Data Warehousing
- 18) Digital Signature
- 19) Database Management System (DBMS)
- 20) Direct Memory Access (DMA)
- 21) Digital Watermarking
- 22) Domain Name System (DNS)
- 23) DNA Computing
- 24) Distributed denial-of-service attack (DDoS)
- 25) Embedded Systems
- 26) E-ball Technology
- 27) Enterprise Resource Planning (ERP)
- 28) Extreme Programming (EP)
- 29) Search Engine
- 30) Firewall
- 31) Biometric Security System
- 32) Common Gateway Interface (CGI)
- 33) Invisibility Cloaks
- 34) Computer Peripheral
- 35) Mobile Number Portability (MNP)
- 36) HTML
- 37) Distributed Systems
- 38) Nanoparticles
- 39) Scada
- 40) LAN WAN MAN

**The presentation will be judged out of 10 Marks based on the following**

- Backgrounds/Colour Schemes used (2 Marks)
- Movie clip/Clip Art/ Photos, Animations and Transition effects (3 marks)
- Content (5 marks)

Complete Assignment has to be sent on [ashish.vashistha@selaqui.org](mailto:ashish.vashistha@selaqui.org).