

SELAQUI INTERNATIONAL SCHOOL
HOLIDAY HOMEWORK
SUMMER VACATION 2019-20
(CLASS XII PURE SCIENCE)

ENGLISH

[The given assignment must be done in the English Note Book]

1. Draft the following advertisements:

- a) You are Aditya Kumar, The General Manager of The Gulmohar Tree Hotel, in Sector 55 Gurgaon. You need a front office assistant with good spoken English skills and knowledge of computers. Draft a classified advertisement for the local newspaper.
- b) You have a travel and tours company called All India Tours, MG Road Bangalore. Draft an advertisement for summer tours to places within India.

2. Write the following letters:

- a) You wish to place an order for air conditioners, water coolers, air purifiers for your office in Hauz Khas from Croma C-10, Gurudwara Rd, Nanak Pura, Rajouri Garden, New Delhi-110027 You are Sudipta Roy/ Srishti Rai the Manager of 'The Crafters' 21, Hauz Khas Market, New Delhi.
- b) Write a letter cancelling the above order. Give suitable reasons.
- c) Write a letter of complaint to the Secretary of your Resident Welfare association regarding the growing lawlessness in your colony. You are Ravi Raj/ Ravina Raj of Greenwood Colony, New Delhi.
- d) You bought sewing machines for your tailoring unit from "The Best Sewing Machine Company", 10. Nai Sarak, Chandni Chowk, Delhi. Three of those sewing machines have developed problems in functioning. Write a letter of complaint. You are Sam Sethna of The True Form Tailors, 21 Lajpat Nagar, New Delhi.

3. Write a debate in favour of or against the given topics:

- a. 'Academic advancement is the only requirement for a successful career'
- b. 'Online Smart Classes are the future of Education Methodology'

PHYSICS

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IMPORTANT NUMERICALS FROM NCERT TEXT BOOK FOR BOARD POINT OF VIEW (2019-20) :

CHAPTER NO	NAME OF THE CHAPTER	PAGE NO/QUESTION NO
1	ELECTRIC CHARGES AND FIELDS	21/1.8, 35/ 1.11, 36/1.12, 46/1.1, 1.6, 1.8, 1.9, 1.10, 47/1.13,1.18, 48/ 1.19, 1.20, 1.23
2	ELECTROSTATIC POTENTIAL AND CAPACITANCE	55/2.1, 58/2.2, 77/2.8, 82/2.10, 87/2.3, 2.4, 2.5, 88/2.11
3	CURRENT ELECTRICITY	112/3.5, 117/3.7, 119/3.8, 121/3.9, 127/3.2, 128/3.9, 3.10, 3.12, 3.13
4	MOVING CHARGES AND MAGNETISM	136/4.1, 4.2, 139/4.3, 146/4.6, 147/4.7, 154/4.9, 165/4.13, 169/4.1, 4.4, 4.5, 4.9, 4.11, 4.12, 4.13

NOTE 1 :

1. CHAP 1, 2 AND 3 ARE COMPULSORY BUT CHAP 4 IS GIVEN AS EXTRA HOME WORK (CHAP 4 IS OPTIONAL).
2. YOU MUST SUBMIT YOUR HW IN A SEPARATE NOTE BOOK ON THE 1ST DAY WHEN SCHOOL RE-OPENS.

NOTE 2 :

1. PHYSICS BOARD (CBSE) PROJECT TO BE SUBMITTED BY 10TH JULY, 2019 (**COMPULSORY**).
2. All necessary instructions were already given along with the project file etc.

CHEMISTRY

To whom correspondence should be addressed: soham.roy@selaqui.org

1. Prepare a project file on the topic already communicated through email.
2. (a) Go through NCERT properly for the chapters on Halo alkanes and Haloarenes, Alcohols, Phenols and Ethers.

(b) Highlight the Important Points.

(c) Make Notes.

(d) Make Flash Cards* on all the Reaction Mechanisms, Name Reactions and Distinguishing Chemical Tests from the above two chapters. Also make a flow chart for reactions of the above two chapters.

(e) Revise after 2, 7, 14, 28 days.

* The importance of Flash Cards as a learning tool and technical details of the same can be found at https://ncase.me/remember/?utm_medium=email&utm_source=other&utm_campaign=opencourse.GdeNrll1EeSROylACTiVvg.announcements~opencourse.GdeNrll1EeSROylACTiVvg.xv94d9kSEeilqgquO8lefA

MATHEMATICS

Do Activity 1, 2, 3 and 4 using the link given below under the category of class XII:

<http://www.ncert.nic.in/exemplar/labmanuals.html>

Write the activities in classmate practical hard cover register neatly. You can use the cuttings of coloured papers to make it look more attractive.

BIOLOGY**PROJECT FOR KUNAL:**

1. Population density of plants
 - (i) Identify any 5 weeds from your locality.
 - (ii) Collect information about them from various sources. Focus on their economic importance especially their medicinal importance (collect samples for herbarium preparation).
 - (iii) Study their distribution in different localities by quadrat method.
 - (iv) Register their data and draw comparisons of their distribution by histograms.
 - (v) Try to analyse the differences in distribution and density.
 - (vi) Correlate their presence with their habitat/adaptability.

OR

2. Inventory of birds in your locality, their ecological role as scavengers, pollinators, etc.

PROJECT FOR ZAINA:

3. Ecological role of some animals observed in a local area:

Record the various plant species growing in the area under study—trees, shrubs, annual/perennial herbs, etc.

Note the season when flower/seed is formed.

Note the various types of insects, birds, reptiles, amphibians, mammals, etc., and record their role as a/an

- (i) Herbivore
- (ii) Pollinator
- (iii) Agent in seed dispersal
- (iv) Prey
- (v) Predator
- (vi) Vectors for transmission of diseases
- (vii) Any other

OR

4. To make an inventory of local tree, shrub and herb

Information can be listed in following categories:

- (i) Avenue trees
- (ii) Wind Breakers
- (iii) Road dividers
- (iv) Sound barriers
- (v) Medicinal and other uses

<http://ncert.nic.in/ncerts/l/lelm216.pdf> (review for details)

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PHYSICAL EDUCATION

Game/ Sports choice (according to CBSE syllabus)

COMPUTER SCIENCE

Go Through the Following Link:

https://spoken-tutorial.org/tutorial-search/?search_foss=Advanced+Cpp&search_language=English

Complete all 10 video Tutorials of Advance CPP after each Chapter Complete the Assignment given.



PSYCHOLOGY

1. Differentiate between:
 - a) Personal and social identity
 - b) Self as a subject and an object
2. What are the various types of self? Explain with the help of examples.
3. Reema is a 17 year old girl who is obese and is not able to control her diet. What tips would you give her to monitor her behaviour for self-control?
4. What are the variations that exist between the western and the Indian cultural perspective about self?
5. How does the Indian concept of Ayurveda classify people and their personality?
6. Ravi is a 25 year old youth who possesses high motivation, lacks patience, feels short of time and is always pressured by work.
 - a) Which type of personality do you think Ravi possesses?
 - b) What are the other types of personality that may exist?
 - c) Name the psychologists who have given these types of personalities.
7. Using Allport's theory, identify the various types of traits in the given situation. Explain in detail.

"Supriya is a very warm and friendly girl who is often known as the Florence Nightingale of the class. She is a very traditional girl who always prefers to wear Indian or ethnic clothes. She hates the western culture especially the trend of going to parties or discos".
8. Name the following:
 - 3 individual tests
 - 3 group tests
 - 3 verbal tests
 - 3 nonverbal tests
 - 3 aptitude tests
 - 3 intelligence tests
9. How is psychometric approach different from information processing approach?
10. How is intelligence interplay of nature and nurture?

PROJECT

Prepare a project report on student suicides. Explore old cases of student suicides from the internet. Investigate the possible factors that lead to a student suicide and suggest preventive and proactive measures. Prepare a PowerPoint presentation on your report and present in class after the vacations.