

SELAQUI INTERNATIONAL SCHOOL
HOLIDAY HOMEWORK
SUMMER VACATION 2019-20
(CLASS XI GURUKUL)

ENGLISH

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The summer holiday assignment is as follows:

1. Make a project on King Tut in about 500 words including his achievements, challenges and mysteries unresolved about his death.
2. **Select 3 articles from any English newspaper** and paste them on file. Each article further will be used for making a note - making and summary writing.
3. **Write an article on any two of the following:**
 - (a) Woman empowerment and its challenges
 - (b) Achievements and failure of Indian democracy in **last 6 decades.**
 - (c) Role of Media in modern India: fact and lies.+

PHYSICS

1. **Reading Assignment:**

- Chapter-4(motion in plane)
You are supposed to read and understand this.

2. **Questions to be done:**

Engineering students:

- Level -1 Work Book problems & Module problems of unit, dimensions and motion in straight line.

Medical Students:

- All module problems of unit, dimensions and motion in straight line.

CHEMISTRY

1. **Reading Assignment:**

- Chapter-4
- Chemical Bonding
These chapters are done and you are supposed to revise them.

2. **Questions to be done:**

Engineering students:

- Level -1 Work Book problems & Module problems of Chapter-1

Medical Students:

- All module problems of Chapter -1.

MATHEMATICS

1. Reading Assignment: VMC Module : Concept Booklet

- Number System
- Set Theory
- In equations and Inequalities
- Functions

These chapters are done and you are supposed to revise it. Go through each solved example. Also revise your class notes.

2. Questions from Work Book 1: Quadratic Equations and In equations

- Daily Tutorial Sheet 1
- Daily Tutorial Sheet 2
- Daily Tutorial Sheet 3

3. **Do Activity 1, 3 and 4 using the link given below under the category of class XI:**

<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

1. **Module 1(Botany):**

- Living World
- Biological Classification

2. **NCERT:**

- Living World
- Biological Classification

PHYSICAL EDUCATION

Game/ Sports choice (According to CBSE syllabus)

COMPUTER SCIENCE

(Write all these Programs in a Practical File)

1. Write a simple python program in a Text Editor to print "Hello world".
2. Write a simple python program to assign same value to multiple variables.
3. Write a simple python program to assign multiple values to multiple variables.
4. Write a simple python program using single line comment and multiline comment.
5. Write a simple python program to get the input from the user interactively using the built-in function input ().
6. Write a simple python program to get the input from the user and use int () or float () function with the read value to change the type.
7. Write a python program to print the area of a circle of radius 3.75 meters.
8. Write a simple python program to obtain three numbers and print their sum.
9. Write a simple python program to obtain length and breadth of a rectangle and calculate the area.
10. To obtain temperatures of 07 days and then display average temperature of the week.
11. WAP to find no is -ve or +ve
12. WAP to find no is even and odd
13. WAP to find given year is leap year or not
14. Write a program to compute area of square and triangle
15. WAP to display age is greater than 18 or not 7. Write a program to compute simple interest.
16. WAP to find Person is senior citizen or not, input age
17. WAP to find which no is greater no in 2 numbers
18. WAP to find which no is lowest no in 2 numbers
19. WAP to find which no is greater no in 3 numbers
20. WAP to check whether a number is divisible by 5 and 11 or not.
21. Take an integer input N from the user. Print N Fibonacci numbers. Recall that Fibonacci series progresses as 0 1 1 2 3 5 8...
22. Take an integer input N from the user. Find Factorial of N and print it.

23. Print first 10 prime numbers.
24. Take an integer input N from the user. Print the table of N.
25. WAP to check whether the given number is palindrome or not.

PSYCHOLOGY

1. What is attention? Why is attention known to have a focus and fringe?
2. What are the characteristics that separate figure from ground?
3. With the help of a diagram, explain the steps of a scientific research.
4. Differentiate between:
 - a) Naturalistic and controlled observation
 - b) Participant and non-participant observation
 - c) Control and experimental groupGive examples in support of your answer and give advantages and disadvantages of each.
5. Explain the important characteristics of a good test.
6. What are the various designs the experimental psychologists use while performing research.
7. Give a brief account of the evolution of psychology.
8. **Activity 2.5 from the NCERT Psychology book.**
9. **Chapter 5 read page nos. 85-93.**

PROJECTS

1. Collect ten advertisements from newspapers and magazines. Analyse the content and messages being conveyed in each. Are there any laws of perceptual organisation used in the logo and branding? Demonstrate. Comment on the use of various attention and perceptual factors to promote the given product.
2. Prepare the research design for the end of term practical – survey on relational aggression. Make sure you include the following sub heads:
 - a) The purpose of the research.
 - b) The rationale/background of the relational aggression.
 - c) Sample to be used.
 - d) Design of the research – independent variable, dependent variable, extraneous factors to be controlled.
 - e) Expected outcome/what are you seeking to understand?
 - f) Limitations of this particular research.
3. **Ask your friends what they think about the field of “psychology”.** What does psychology mean to them? Prepare a list of myths about psychology that people believe. Think about how as a professional you can dispel those myths.