



KĀSIGA SCHOOL
DEHRADUN

Holiday Homework Summer Break 2020



HOLIDAY HOMEWORK GRADE 12 (HUMANITIES)

ENGLISH

Time away from the classroom is often the greatest gift for project planning.

Holiday Homework Class 11&12

- 1. Complete all the assignments for the topics covered so far in the notebook.**
- 2. Critique one of the following movies in about 200-250 words. Prepare to deliver the same as an integral part of your Speaking Assessment that carries 10marks.**
The Sound of Music, Inception, Gravity, Interstellar, Life of Pi, The Mysterious Island, Hugo, Hook.

General guidelines on how to critique a movie:

- Choose a movie.
- Specify the issues you are going to discuss and analyze in your paper.
- Watch the movie two-three times: first—to get a general idea of the film; second time—to pay attention to the points that come into your sphere of interest and/or to note the details you weren't able to notice the first time.

- Concentrate on specific movie characters.
- See if the way the characters dress, talk, act, or look corresponds with the image they should be projecting towards the viewer.
- Remember that the better the characters are developed, the more character-driven the story is.
- Consider that the right motivation of the characters makes the audience believe the story and its development; moreover, it helps to understand the real motives, which should be understandable to the viewers.

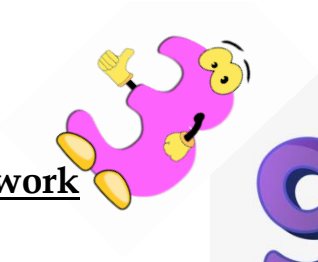
- Decide whether the plot is predictable.
- Define whether some actions were unpredictable; if they were, then they provided you with some food for thought to make assumptions and express your views considering an unexpected turn of events or simply shocked you.
- Remember that the structure encompasses 3 acts: introducing the main characters, mounting tension through the story (lead up to the climax of the story), and bringing the movie to an end.
- See if the plot corresponds to characters' motivations.
- Mind that before the ending there should be a culmination of the story when the tension reaches the highest point.

- Remember that good dialogues should not be protracted as they are to sound natural.
- See if there is a logical development of the conversation.



Holiday Homework

Subject: Mathematics



Class XII will complete their Mathematics Lab Manual during the holidays.

HISTORY

SUMMER HOLIDAY HOMEWORK - CLASS XII D

HISTORY PROJECT

The students will make a handwritten project file of at least 25 pages on **ONE** of the under-mentioned topics. The project must be properly illustrated with pictures which can be downloaded from the net. This project would be used for internal assessment during CBSE Board practical.

1. Town planning and Artifacts of the Harappan Civilisation.
2. Through the Travellers Eyes: The experiences of Travellers who visited the subcontinent and how their accounts help us to understand the history of that region in the medieval period.
3. Understanding the Bhakti-Sufi Movement in India
4. Depiction of Life during Mughal Period through Paintings
5. How did the Partition in 1947 affect the common people in India?

The project file will carry 16 marks and the viva 4 marks in the Board practical. The students must also prepare a detailed **bibliography** at the end of the project.

POLITICAL SCIENCE

Make a project and research on ONE of the following aspects:

- 1) Evaluate the efforts carried out by the United Nations in dealing with the challenges in the fields of environment.
- 2) What are the characteristics of globalisation in present times? State the impacts of globalisation on the world.
- 3) Discuss the limitations of USSR that led to its disintegration. What were the consequences of the disintegration of USSR?

Your project should:

1. Be made in a proper file
2. Be neatly done
3. Include pictures
4. Have an introduction
5. Be creative
6. Be sent to mail in PDF form
7. Kept safe for further submission in person

Your project should include:

1. Originality
2. Acknowledgment
3. Contents
5. Conclusion
6. Bibliography

PSYCHOLOGY

PSYCHOLOGY PROJECT

Prepare the case profile on any topic of your interest like adjustment issue, extraordinary achievement in the field of business, sports, arts, abnormal behaviour, clinical population etc.

- Prepare the profile with the help of various types of data both qualitative and quantitative, use of tests, observation, self-report, interview etc.
- Follow the given format
 - Aim
 - Introduction
 - Data Collection
 - Interpretation
 - Conclusion
 - References

PAINTING

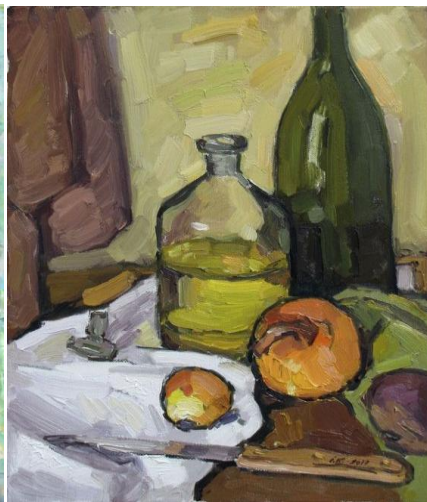
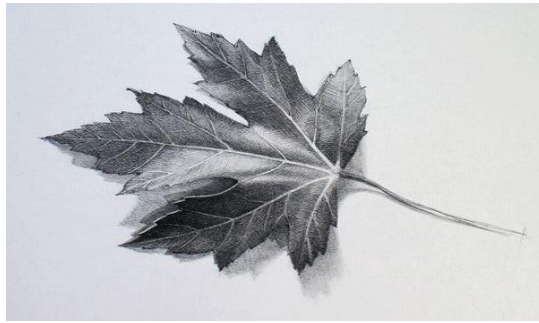
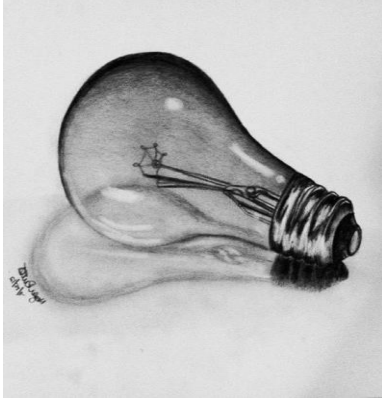
CLASS 12 PROJECT WORKS (EXAMPLES)

PAINTING- PRACTICAL

1. **Watercolour demonstration**
2. Link:<https://www.youtube.com/watch?v=mbJAcf1IK2g>
3. <https://www.youtube.com/watch?v=c3p7t7GEUE>
4. **Still Life sketches**
5. Link:<https://www.youtube.com/watch?v=OezMavBqWXc>
6. **Watercolour Portrait Painting**
7. Link:<https://www.youtube.com/watch?v=gyvxLMKbB8g>
8. **Landscape Watercolour painting**
9. Link: <https://www.youtube.com/watch?v=aHXtKuh3Hzg>

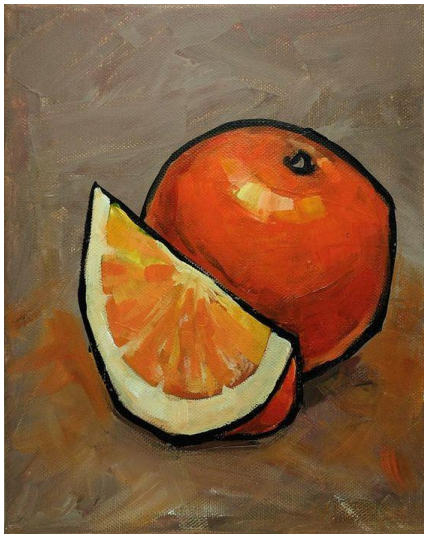
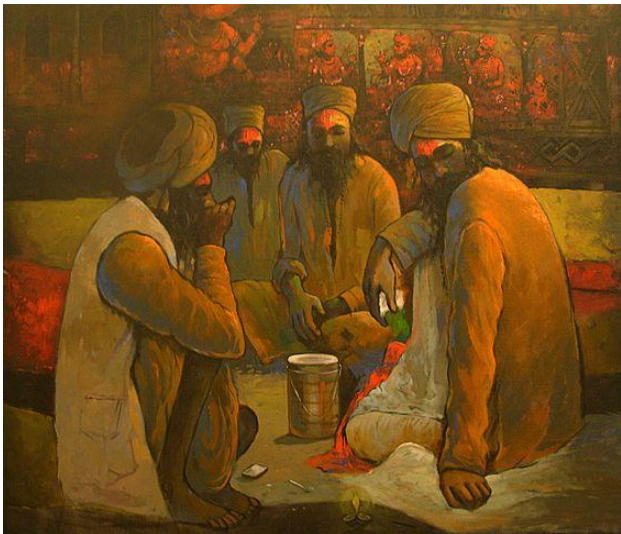
NATURE AND OBJECT STUDY (EXAMPLES)

COMPLETE 3 SKETCHES/PAINTINGS IN A4 SIZE



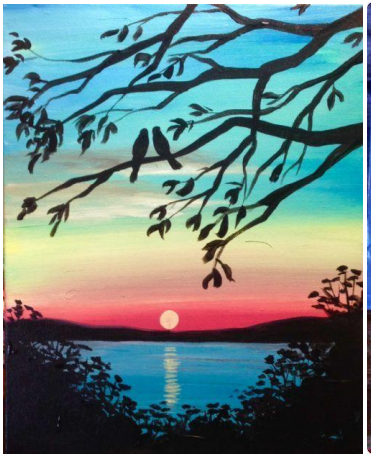
PAINTING COMPOSITION (EXAMPLES)

COMPLETE 3 SKETCHES/PAINTINGS IN A4 SIZE



PAINTING LANDSCAPE (EXAMPLES)

COMPLETE 4 PAINTINGS IN A4 SIZE



Portfolio Assessment Method Introduction:

The Art Portfolio will consist of a compilation of all art works, from sketch to finished product. The submission would include both the original and improved versions of assigned tasks reflective of gradual improvement. Step by step development of the work will be assessed in all units.

Components of a Portfolio:

- Schedule of work
- Research Skills
- Resources and materials
- Study of connections with artists / art movements
- Art making skills
- Personal artist statement
- Studies (e. g., composition/techniques-medium)
- Picture of the final work (reflective skills)
- Evaluation of final work (affective skills)
- Any kind of personalized notes in relation to art work

COMPUTER SCIENCE

Some sample lab assignments are as follows:

5.1. Programming in Python:

- Recursively find the factorial of a natural number.
- Read a file line by line and print it.
- Remove all the lines that contain the character `a` in a file and write it to another file.
- Write a Python function $\sin(x, n)$ to calculate the value of $\sin(x)$ using its Taylor series expansion up to n terms. Compare the values of $\sin(x)$ for different values of n with the correct value.
- Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
- Write a recursive code to find the sum of all elements of a list.
- Write a recursive code to compute the n^{th} Fibonacci number.
- Write a Python program to implement a stack and queue using a list data-structure.
- Write a recursive Python program to test if a string is a palindrome or not.
- Write a Python program to plot the function $y = x^2$ using the pyplot or matplotlib libraries.
- Create a graphical application that accepts user inputs, performs some operation on them, and then writes the output on the screen. For example, write a small calculator. Use the tkinter library.
- Open a webpage using the urllib library.
- Compute EMIs for a loan using the numpy or scipy libraries.
- Take a sample of 10 phishing e-mails and find the most common words.

5.2. Data Management: SQL and web-server

- Find the min, max, sum, and average of the marks in a student marks table.
- Find the total number of customers from each country in the table (customer ID, customer name, country) using group by.
- Write a SQL query to order the (student ID, marks) table in descending order of the marks.
- Integrate SQL with Python by importing the MySQL module
- Write a Django based web server to parse a user request (POST), and write it to a CSV file.

6. Project

The aim of the class project is to create something that is tangible and useful. This should be done in groups of 2 to 3 students, and should be started by students at least 6 months before the submission deadline. The aim here is to find a real world problem that is worthwhile to solve. Students are encouraged to visit local businesses and ask them about the problems that they are facing. For example, if a business is finding it hard to create invoices for filing GST claims, then students can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. Students can be extremely creative here. They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications. Of course to do some of this projects, some additional learning is required; this should be encouraged. Students should know how to teach themselves.

If three people work on a project for 6 months, at least 500 lines of code is expected. The committee has also been made aware about the degree of plagiarism in such projects. Teachers should take a very strict look at this situation, and take very strict disciplinary action against students who are cheating on lab assignments, or projects, or using pirated software to do the same. Everything that is proposed can be achieved using absolutely free, and legitimate open source software.

PHYSICAL EDUCATION

Physical Education project work

- A) Students need to make project file (choose file specially made for Physical Education)based on Athletics, Yoga and any one game of your choice.
- B) Choices should be made from any one of these major games -. cricket, football, basketball and swimming
- C) Things to write- History, rules and regulations, famous tournaments worldwide, records and measurement