

Mathematics Project 2019-20
Class IX

1. Index
2. Acknowledgment
3. Introduction
4. Project Work
5. Conclusion
6. Bibliography

Topics (To be written in Project Work)

1. Surveys of class of students-height, weight number of family members, pocket money, etc.
2. Correlation of body weight to body height.
3. Running a tunk. Shop / Canteen.
4. Visit one or two stores where sales are being offered to investigate-Cost, Price, Marked Price, Selling Price, Discount, Profit/Loss.
5. Planning delivery routes for a postman/milkman.
6. Study ways of raising a loan to buy a car or house eg. bank, loan or purchase a refrigerator or a television set through hire purchases.

Notes :

1. Do any three topics.
2. Florescent pink paper with Transparent polythene.
3. Acknowledgment, Introduction conclusion, Bibliography to be written in Index.

Physics Project 2019-20

Class IX

- | | |
|------------------|------------------|
| * Experiment 1 | * Experiment 2 |
| * Experiment 4 | * Experiment 5 |
| * Experiment 7.1 | * Experiment 7.2 |
| * Experiment 8.1 | * Experiment 8.2 |
| * Experiment 9 | * Experiment 10 |
| * Experiment 11 | |

Format

- | | |
|---------------------|-----------------------------|
| * Aim | * Theory |
| * Material Required | * Construction |
| * Procedure | * Observation & Calculation |
| * Result | * Precautions |

Note : Draw all the diagrams using the pencil only.

Cover the Lab manual with black florescent paper & Transparent sheet.

Chemistry Project 2019-20

Class IX

- * Prepare a project on the topic "Atmosphere Pollution" This project must include the following details.
 - * Atmosphere and different layers of it.
 - * Causes of atmospheric pollution and its effect on human, animals, plants and weather condition.
 - * Acid rains (Including reactions for the formation of Acid rains).
 - * Global warming and green house effect.
 - * Ozone layer depletion (Reactors including the formation and disintegration of ozone layer, need for the _____ of CFC's)
 - * Measures to control the atmospheric pollution.

Biology Project 2019-20

Class IX

Section A : Plant Life

Experiment 1 : To examine an onion peel under the microscope to study various parts of a plant cell.

Experiment 2 : To study cross-pollinated flower and identify its various parts (Hibiscus rosa-sinensis)

Experiment 3 : To study the structure of germinating seeds of bean and maize.

Section B : Animal Life

Experiment 4 : To examine human cheek cells under the microscope to study various components of the cells.

Experiment 5 : To test the presence of carbohydrates (Starch and glucose), protein and fats in the given food sample.

Experiment 6 : To examine and identify specimens belonging to different groups of animals.

Experiment 7 : To study different types of movable joints in human beings.

Experiment 8 : To study the structure of human lungs.

Experiment 9 : To study the structure of skin.

Experiment 10 : To demonstrate the mechanism of breathing.

English Language Project 2019-20

Class IX

* **Acknowledgment**

* **Index**

- I. Write AN ESSAY on ANY THREE in NOT MORE THAN 30 words : (with picture support)
 - i. Mass media plays an important role in society.
 - ii. Describe use of science (useful/destructive)
 - iii. Describe "why water should be saved?"
 - iv. Environmental Threats.
 - v. Boredom leads to trouble but books are good friends.
Write FOR or AGAINST this proposition.
- II. Make SENTENCES on 5 idioms and 5 phrases each.

- III.
 - i. Write various PARTS OF SPEECH with definition and 3 examples each.
 - ii. Write various FIGURES OF SPEECH with definition and 5 sentences each.
 - IV.
 - i. Write an email to your father requesting him to grant his permission to allow you to go out for a school excursion. Your mail should be brief and you should inform your father for the importance of this tour. (80 words)
 - ii. Write a notice as a bank manager to your staff requesting them to collect aadhar card from the account holders of your branch. You should inform the employees that orders are of the government and compulsory for the public. (80 Words)
 - * Conclusion
 - * Bibliography
- PICTURE : As & where to be pasted.
- FILE COVER: Black with cellophane cover.

English Literature Project 2019-20

Class IX

- * **Acknowledgment**
 - * **Index**
 - I. Write biographies of ANY TWO INDIAN POETS/POETRESS and ANY TWO FOREIGN POETS/POETRESS along with their THREE poems each. (in not more than 400 words)
 - II. Write TWO SHORT STORY on ANY TWO of the following writers : (in not more than 400 words)
 - i. O Henry
 - ii. Mark Twain
 - iii. Premchand
 - iv. Rabindra Nath Tagore
 - v. George Bernard Shaw
 - III. Write the biography of William Shakespeare and also write summary of ANY TWO drama from : (in not more than 400 words)
 - i. Mid Summer Night
 - ii. Julius Caesar
 - iii. Merchant of Venice
 - iv. Macbeth
 - v. Tempest
 - ❖ Conclusion
 - ❖ Bibliography
- PICTURE: As & where to be pasted.
- FILE COVER: Black with cellophane cover.

Hindi Project 2019-20
Class IX
साहित्य सागर – Literature

पाठ 1, 2

- | | |
|-------------------------|-----------------------|
| 1. लेखक का जीवन – परिचय | 2. कहानी का सारांश |
| 3. उद्देश्य | 4. शीर्षक की सार्थकता |

नया रास्ता अंक 1, 2

- | | |
|-------------------------------|------------------------|
| 1. उपन्यास अंक 1, 2 का सारांश | 2. उपन्यास का उद्देश्य |
| 3. शीर्षक की सार्थकता | |

व्याकरण – Language

निबंध (कोई 2)

पत्र

1. प्रार्थना पत्र
2. व्यक्तिगत पत्र
- 20 पर्यायवाची
- 20 विलोम शब्द
- 20 अनेक शब्दों के लिए एक शब्द
- 20 मुहावरे

Computer Project 2019-20
Class IX

1. Project to be made with Milky File (Any Colour of your own choice)
2. A Cover Page for the project which includes :
 - a) Name of the school
 - b) Title of the project
 - c) Name of the Project In-charge (Teacher Concern)
 - d) Name of the student with class and section (i.e. Submitted by <Student Name>)
3. Acknowledgment (including all the people who helped you in this project)
4. Java Programs (Total 15 programs along with their questions)
5. Snapshot of Program Code and Terminal Window (optional)
6. Conclusion (which includes your overall experience of learning Java Language)

Note :

1. Your project should be in a neat and clean state.
2. No errors or cutting work should be found in your project.
3. Your project should be presentable.
4. Project must be submitted by 15th of July 2019 else it will be rejected and marks will not be awarded in the Final Examination for project.

Geography Project 2019-20

Class IX

1. Volcanos : Describe different types of volcano : Destructive /Constructive
2. Earthquake : Describe causes of earthquake : Destructive /Constructive.
3. Weathering formation of soil. What is weathering - Describe its effects of weathering.
4. Denudation : Work of Rivers and wind. What is denudation and describe the stages of river causes.
5. Tides & Ocean currents. What are tides - Neap/Spring tide - Effect of Tide. Causes of ocean currents.
6. Air & Water Pollution
Pollutants - Sources of Pollution - effect of pollution- What is carpooling.
7. Soil Radiation & Noise pollution sources of soil pollution - Explain Radiation pollutions & noise pollution and their effects.

Locate the following on the Physical World Map :

1. The Tundra Region
2. The Tropical Desert Region
3. The Temperate Grassland
4. The Tropical Grassland.
5. The Mediterranean Region

History & Civics Project 2019-20

Class IX

1. Study of Delhi Sultanate and the Mughal Empire.

Note :

1. Practical file cover with green fluorescent paper and with plastic sheet.
2. Project should be supported with paper cutting and pictures.
3. It should have index, acknowledgment, conclusion and Bibliography.