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| **CLASS-XII** |
| ***PROJECT TOPICS*** |
| ***BBG*** |

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**SUBJECT -PHYSICS PROJECT**

* **Students have to select topics from the syllabus of class 12 for their project work.**
* **Students are required to do their work in lace file ( if it is not with you please do it in sheets)and maximum attention towards neatness and presentation of work is needed.**
* **Do not add unnecessary patterns designs to your work.**

**BASIC FORMAT**

* **Certificate of excellence**
* **Acknowledgment**
* **Aim of project**
* **Introduction**
* **Theory /principle/laws**
* **Procedure followed/ Explanation of theory with supportive description of experimental details.**
* **Use in daily life**
* **Conclusion**
* **Precautions**
* **Bibliography**

**FEW PROJECT IDEAS**

1. **Lenzs law ( experimental)**
2. **Optical telescope (http:astro.nineplanets.org/bigeyes.html).**
3. **Simulating Photoelectric effect (http://physics.berea.edu/photoelectric.html).**
4. **Junction diode as a rectifier**
5. **Davisson Germer experiment: dual nature of matter.**
6. **Dispersion: rainbow formation.**
7. **Frequency modulation of wave and it's uses**
8. **Make static or dynamic models with simple household items.**

**SUBJECT -CHEMISTRY PROJECT**

**TOPICS:-**

**1. Chemicals In Cosmetics Industry**

**2. Fertilizers**

**3. Natural and Synthetics polymers**

**4. Chemical in Medicine**

**5. Rocket Propellants**

**6. Chemical in Forensic**

**SUBJECT -BIOLOGY PROJECT**

**TOPICS:-**

1. **Rare Genetic Disorders**
2. **Cysts**
3. **Ebola Virus**
4. **Diabetes**
5. **In Vitro Fertilization**
6. **Alzhemer's Disease**
7. **Cancer**
8. **Psoriasis**
9. **Drug Addiction**
10. **Stem Cells**
11. **Genetic Engineering**
12. **Biopiracy**
13. **Down's syndrome**
14. **Gynecology**
15. **Role of Micro-organisms in Industry**
16. **Drugs, Alcohol & Narcotics**
17. **Heart Attack**

**SUBJECT - ACCOUNTS PROJECT**

**TOPICS:(*Any 2 out of 4*):-**

**1. Partnership with 3 months transactions- preparation of Final accounts.**

**2. Cash flow statement sums.**

**3. Ratio Analysis**

**4. Statement of financial analysis- Comparative & Commonsized**

**SUBJECT - COMMERCE PROJECT**

**TOPICS: (*Any 2 out of 3*)**

**1. Banking- Functions of Banks together with a financial statement of a public sector Bank.**

**2. Essay on Central of India (Reserve Bank).**

**3. Marketing of fast moving Consumer Goods.**

**SUBJECT - ECONOMICS PROJECT**

**TOPICS:**

***Project 1:-* Study a public sector enterprise, with reference to its relevance to the lndian economy and its future prospects. Analyse the trend of its growth for the last ten years.**

***Project 2:-* Prepare a report on the competition in the Aviation Sector in India with reference to:-**

**a) Performance of the public sector and private sector.**

**b) Operation strategies adopted by Budget/ Low cost carriers.**

***Project 3:-* Prepare a trend analysis of growth and productivity of any one industry as:-**

**a) Textile**

**b) Automobile**

**c) Electronic**

**d)Tele communications**

**In India for the past ten years.**

**Students are required to complete any two projects from the three options.**

**SUBJECT - HISTORY PROJECT**

**TOPICS:**

**Nelson Mandela**

**These are the guidelines**

* **A 2000 word essay to be structured as follows....**
1. **The Research question**
2. **Reason for choosing the topic.**

**Hypothesis.... i.e. the conclusion the student is hoping to draw**

1. **Main Essay**
2. **Background**
3. **Theme**
4. **Interpretation of the research material gathered**
5. **Conclution.... ie whether hypothesis stands or not**
6. **Bibliography**

**It is important that the students first frame the Research question and then gather material accordingly...**

**Example....**

**If topic is on Rabindranath Tagore**

**Question....To what extent did Tagore influence the National Movement?**

**SUBJECT - POLITICAL SCIENCE PROJECT**

**TOPICS:-**

**Role of National Human rights commission in safeguarding the rights of the underprivileged.**

1. **Reason for selection of the topic.**
2. **Framing the research question.**
3. **Hypothesis.**
4. **United Nations universal declaration of human rights (1948).**
5. **Constitutional provisions.**
6. **Formation of National Human rights commission.**
7. **Its composition and functions.**
8. **Identifying the underprivileged and understanding their plight.**
9. **Efforts made by NHRC (a minimum of two case studies).**
10. **Student's viewpoint.**

**SUBJECT - ENVIORNMENT SCIENCE**

**TOPIC:**

**5 ENDANGERED SPECIES AND MEASURE ADOPTED FOR THEIR CONSERVATION.**

(DETAILED INFORMATION FOR EACH SPECIES TO BE DONE SEPERATELY)

TO BEGIN FILEWORK ONCE COLLECTION OF MATERIALS ARE COMPLETED -

* PICTURES
* DIAGRAMS
* NEWSPAPER AND MAGAZINE UPDATES AND INFORMATION.

**WORKING PROCEDURE IN FILE :**

1) INDEX

2) INTRODUCTION (GENERAL INFORMATION OF DIFFERENT ENDANGERED SPECIES)

3) FORMAT EXAMPLE:

1. **NAME - TIGER ( SCIENTIFIC NAME TO BE GIVEN)**
* **CLASSIFICATION**

KINGDOM

PHYLUM

CLASS

ORDER

FAMILY

GENUS

SPECIES

* **HABITAT ADAPTATION & LOCATION**
* **PHYSICAL CHARECTERISTICS**
* **REASON FOR BEING ENDANGERED**
* **VARIOUS MEATHODS ADOPTED FOR THEIR PRESERVATION BY GOVT / NGOS/ LOCALS.**

**PLEASE FOLLOW ABOVE FORMAT FOR ALL FIVE EXAMPLES (SEPERATELY)**

4) CITES + IUCN - ROLE AND MISSION

5) CONCLUSION

* BRINGING IT ALL TOGETHER
* WHY IS THIS IMPORTANT
* OTHER INTRESTING FACTS

6) BIBLOGRAPHY

7) ACKNOWLEDGEMENT