

**Don Bosco Academy, Patna**  
**Holiday Home Work , Std 12 .**  
**Session : 2024- 25**

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**ENGLISH LITERATURE**

Answer the following questions briefly in a note book

- Q1. Referring closely to Act III scene –II explain how Macbath seems to grow stranger while Lady Macbath becomes weaker of the two? What fresh crimes is Machbath contemplating on and why?
- Q2. Describe Macbath’s agitation and abnormal behavior when the Ghost of Banquo first appears. How does Lady Macbath show presence of mind and intervene to prevent Macbath from betraying himself?
- Q3. What do you learn about the rites of witchcraft and how they create their magic charms from Act IV scene –I ?

**ENGLISH LANGUAGE**

**(The Holiday Homework is to be done in your class work notebook.)**

**English Language**

1. Do question 3 (Grammar Exercises) of Papers 10 to 15 from your Text Book - Pearls of English Language
2. Do Question 4 (Comprehension Passage) of Papers 10 and 11 from your Text Book - Pearls of English Language
3. Copy down the following Proverbs in your notebook and learn them. Learn their meaning too.

**List of Proverbs**

1. A nine days' wonder.
2. When winter comes, can spring be far behind?
3. The darkest hour is nearest the dawn.
4. Many hands make light work.
5. Too many cooks spoil the broth.
6. When it rains it pours.
7. Don't put all your eggs in one basket.
8. The early bird catches the worm.
9. People who live in glass houses shouldn't throw stones.
10. Where there is smoke there is fire.
11. Kill two birds with one stone.
12. Where there is a will there is a way.
13. Birds of a feather flock together.
14. A burnt child dreads the fire.
15. A bad workman blames / quarrels with his tools.
16. A bird in the hand is worth two in the bush.
17. A drop in the ocean.
18. A figure among ciphers.

19. A hard nut to crack.
20. A little knowledge is a dangerous thing.
21. Hope for the best and be prepared for the worst.
22. Beneath every rose lies the thorn.
23. An empty vessel makes much noise.
24. All's well that ends well.
25. Practice makes a man perfect.

### Project Work : Mathematics

Students have to complete **two** projects, one from **Section A** and one from either **Section B** or from **Section C**

#### Section 'A' Project ( Any one)

1. Draw the graph of  $y = \sin^{-1} x$ , using the graph of  $y = \sin x$ . Demonstrate the concept of mirror line (about  $y = x$ ) and find its domain and range.
2. Explain the concepts of increasing and decreasing functions, using geometrical significance of  $\frac{dy}{dx}$ . Illustrate with proper examples.
3. Explain and illustrate (with suitable examples) the concept of, local maxima and local minima, absolute maxima and absolute minima using graph.
4. Explain the conditional probability, the theorem of total probability and concept of Bayes' theorem with suitable examples.
5. Illustrate the concept of definite integral  $\int_a^b f(x)dx$ , expressing as the limit of a sum and verify it by actual integration.

#### Section 'B' Project ( Any one)

1. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same.
2. Find the image of a line with respect to a given plane.
3. Find the area bounded by a parabola and an oblique line.

#### Section 'C' Project ( Any one)

1. Draw a rough sketch of Cost (C), Average Cost (AC) and Marginal Cost (MC)  
Or  
Revenue (R), Average Revenue (AR) and Marginal Revenue (MR).  
Give their mathematical interpretation using the concept of increasing - decreasing functions and maxima-minima.
2. For a given data, find regression equations by the method of least squares. Also find angles between regression lines

- Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
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### **Important instructions:-**

- Both the project should be in a **single spiral Binding file**
- One project should be of **at least 20 to 30 pages**.
- It is mandatory that you include **Certificate, Acknowledgement, Index column, necessary pictures and graphs** (to make the data meaningful), **Conclusion and Bibliography** in your project.
- Certificate should contain **space for Internal and External Examiner's signature**.
- Project should be **handwritten**, use black or blue pen only
- Keep your project direct and to the point.
- Unnecessary decorative items should be avoided and it should be simple and formal
- Your Name, Class, Registration No along with School logo should be printed in an A4 size paper and used for the project.

### **FORMAT OF THE PROJECTS:**

- Certificate
- Acknowledgment
- Content
- Project 1**
  - Introduction
  - Needed work, graphs and examples
  - Finding.
- Project 2**
  - Introduction
  - Needed work, graphs and examples
  - Finding.
- Bibliography.

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### **Holiday Home Work (MATHEMATICS)**

- Revise the all formulas of the chapters (i) **Trigonometry** (ii) **Function** from Class XI book
- Complete All the questions of Chapter Matrices and Determinant from Std XII book in a separate Copy.

## PHYSICS

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Solve last 5 years ISC questions of the following chapters in Physics copy

Chapter-1: Electric force , Field and flux

Chapter 2: Electric potential and Capacitance.  
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## CHEMISTRY

1. Solve last 5 years ISC questions of the following chapters in Chemistry copy

Chapter-1: Solution

Chapter 2: Electro Chemistry

2. Complete Volumetric Analysis in practical copy

3. Do the project allotted and submit it in the last week of June.

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## **Biology**

List of Project topics	Name of student
Genetic disorder	Rashi
PCR and its application	Aman
Human genome project and its application	Nishant
Applications of biotechnology in medicine	Sayed
Cancer	Misti
Sexually transmitted diseases	Suyash
Drug addiction and community	Riya
Role of micro-organisms in industry	Tanu
Human population	Ayush
Paleontological evidences of evolution and human evolution	Survi
Biodiversity and its conservation	Saurya

- Project should be hand written, use blue/black pen only.
- Use Sketch pens/highlighter for writing headings and sub-headings.
- Unnecessary decoration of the record to be avoided.
- You can use diagrams, print out, charts, graphs and photocopies to support the subject matter of your project.
- There should be minimum 15 pages of written matter related to the topic.
- Project to be written in 80 pages practical record book.
- Format of the project
  1. Certificate-1page
  2. Acknowledgement-1 page.
  3. Content (Topics)-1-2pages.
  4. Introduction of topic-1-2pages.
  5. Details of the topic- min 05 pages.

6. Conclusion-1-2 pages.
7. Bibliography- 1page.

## ECONOMICS

- Prepare two projects in two different practical copies

### Economics Project work (2024 – 25) for Class XII

#### Project – 1: [ Project on Banks]

1. Certificate ( with Internal and External sig. Space)
2. Acknowledgement
3. Content
4. Introduction
  - i. Definition of Bank
  - ii. Type of Banks
  - iii. Imp. Of Bank / Role of Commercial Bank.
  - iv. Function of Commercial Bank
    - a. Accepting deposit
    - b. Granting Loan
    - c. Process of Credit Creation
    - d. Other functions
  - v. Functions of Central Bank.  
(All major functions including credit control)
    - a. Quantitative
      - CCR
      - SLR
      - Bank Rate
      - Open Market operation
    - b. Qualitative
      - Marginal Requirement
      - Direct Action
      - Moral Suasion
      - Credit Rationing
- (In Detail)
- vi. Conclusion
- vii. Bibliography



## Project – 2: [Project on Fiscal Policy]

1. Certificate
2. Acknowledgement
3. Content
4. Introduction
- i. Definition
- ii. Objectives of Fiscal Policy
- iii. Tools of Fiscal Policy
  - a. Taxation – Direct (Merit and Demerit)  
Indirect (Merit and Demerit)
  - b. Structure of Taxation
    - Progressive
    - Digressive
    - Regressive
- iv. Public Expenditure
  - Definition
  - Type of Public Expenditure
- v. Public Borrowing
  - Definition
  - Types of Public Borrowing
  - Method of Debt. Redemption
- vi. Deficit Financing
  - Definition
  - Types of Deficit Financing
  - Reason of Deficit Financing
  - Effect of Deficit Financing
5. Conclusion
6. Bibliography
  - **Note :-**
    1. Project work should be done in two separate copies.
    2. Each project should consist at least 30 pages.
    3. Avoid red and green pen.
    4. Both project should be learned and prepared for internal assessment.
    5. Clips, paper cutting, chart and grafts can be used to highlight your research.

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## ACCOUNTACY

Select any one comprehensive project [partnership firm] and one specific project related with cash flow statement given in your book.

### **Important instructions:-**

Both the project should be in two separate **school project copy**. One project should be of **atleast 40 to 45 pages**.

It is mandatory that you include **Certificate, Acknowledgement, Index column, question of each project, necessary pictures and photographs** (to make the data meaningful), **Conclusion and Bibliography** in your project.

Leave space for Certificate.

Project should be **handwritten**.

Keep your project direct and to the point.

Unnecessary decorative work should be avoided and it should be simple and formal.

Project copy should be covered in

**Yellow chart paper(project 1) and Lightgreen chart paper(project 2) with cellophane paper.**

## COMMERCE

You need to prepare two projects in one project copy of 96 pages, on any two topics given in your book

Divide the project in different chapters

1. Contents
2. Acknowledgement
3. Certificate
4. The subject details of the topic
5. Conclusion
6. Bibliography

### **Topics:**

1. Five consumer cases – Detailed case study
2. Procedure of opening a saving account OR Fixed deposit account
3. Organizational structure of two companies
4. SWOT analysis of a company
5. Recruitment and selection in two selected companies.

## **BUSINESS STUDIES**

Select any two project out of 10 projects given in your book [project number 4,7 and 9 are advisable due to the part of your syllabus]

### **Important instructions:-**

Both the project should be in a **single school project copy**. One project should be of **at least 40 to 45 pages**.

It is mandatory that you include **Certificate, Acknowledgement, Index column, necessary pictures and photographs** (to make the data meaningful),

**Conclusion and Bibliography** in your project.

Leave space for Certificate.

Project should be **handwritten**.

Keep your project direct and to the point.

Unnecessary decorative works should be avoided and it should be simple and formal.

Project copy should be covered in **Pink chart paper and cellophane paper**.

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## **Political Science**

1. Solve the previous year's Question Paper from 2018 onwards for the following chapters.  
Ch.1,2,3

2) Learn the Question Answers thoroughly

3) Make a project on the topic given below

EXAMINE ONE SUPREME COURT CASE DEALING WITH FUNDAMENTAL RIGHTS. IDENTIFY THE ISSUES OF THE CASE AND ANALYSE THE FINAL RULING

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## **History**

1. Write all the short answer type questions in your fair note book of all the Chapters taught. Chapter 1,2,3 and 5.

2. Learn and write all the notes given in the class in your fair note book.

3. Project work on India's Foreign Policy with special reference to :

NAM, Bandung and Belgrade conference, cold war, India's Stance during Korean war, Vietnam War, Invasion of Hungary, Soviet Invasion of Afghanistan and the Arab Israel conflict.

Indo Pak war , Sino Indian war.



# Legal Studies

## Two Projects on following topics:-

1. Contract Act 1872:- Explanation of act (15pg); Famous case (15-20 pg)
2. Fundamental Rights:- Explanation (10pg), Restriction of Fundamental Rights (4pg)  
Any 4 Landmark case \_Ex ::Maneka Gandhi Case

## Important instructions:-

1. Use two different practical copies available in school.
2. Page limit each project should be [30-40]
2. Paste colour printed title page on each copies
3. Certificate must have space for internal and external examiner signature
4. Cover both projects with sky blue chart paper and cellophane.
5. Use blue and black gel pen only.

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## S.U.P.W

### Topic: Green Patna

#### Contents:

1. What do you mean by Environment?
2. What is Environmental pollution
3. Different types of pollution
4. Global warming
5. What are the measures which we can take to avoid environmental pollution?
6. How to conserve natural resources
7. Policies and provisions made by central and state government to make Bihar pollution free
8. Environmental protection act
9. Your views, opinion and suggestions to make Green Patna and Clean Patna
10. Slogan writing against pollution.

#### Important instructions:-

Project should be in a school practical copy. Project should be of atleast 45 to 50 pages.

It is mandatory that you include Certificate ,Acknowledgement ,Index column, necessary pictures and photographs (to make the data meaningful),

Conclusion and Bibliography in your project.

Leave space for Certificate.

Project should be hand written.

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