

**Don Bosco Academy, Patna**  
**Holiday Home Work and Project work for Std 12 .**  
**Session : 2023- 24**

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**ENGLISH LITERATURE**

Q. 1. How would you provide an alternate outcome to the short story;

**Fritz** by Satyajit Ray?

- Instructions: *The written assignment must be given a title in the form of a question.*
- Introduction: *Explanation of the question that has been framed.*
- Main Body: *Organized and well-structured treatment of the question using appropriate sub – headings.*
- Conclusion: *a comprehensive summary of the points made in the main body.*

Further Instructions are to be followed : Font size– 14

Font Style–Times Roman

Word limit-1500 Words

*Should be submitted in the White Stick File.*

*The Cover Page will be shared which will be the same for all.*

**ENGLISH LANGUAGE**

- Q1. Test Paper 14 – Q1 – No – ‘C’ - Page No 194  
(essay – topic to be done in a separate school Note Book)
- Q2. Comprehension Passages from Test paper 3 to 8  
(Q4 A ( i) and (ii) only (to be done in the Text Book)

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

### Important instructions:-

- Both the project should be in a **single stick 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:

1. Certificate
2. Acknowledgment
3. Content
4. **Project 1**
  - (a) Introduction
  - (b) Needed work, graphs and examples
  - (c) Finding.
5. **Project 2**
  - (a) Introduction
  - (b) Needed work, graphs and examples
  - (c) Finding.
6. Bibliography.

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### Holiday Home Work (MATHEMATICS)

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

## PHYSICS

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Do all questions from page no 42 to 49 of ISC physics  
Nootan publication.(our reference book)  
Submit the homework in a separate copy of our School.  
You all must have physics book .  
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## CHEMISTRY

1. Solve board questions of the following Chapters.
  - i) Electro Chemistry
  - ii) Solutions
  - iii) Coordination Compounds
2. Complete chemistry practical record notebook PDF has already been sent to you.

## Computer

Complete 5 questions based on recursion given in the class in your project copy

You will use the same copy in which your 11th project questions are done

Complete the index too leaving the last column blank

Cover it with brown paper.

## Biology

List of Project topics	Name of student
Genetic disorder	Adil Azim, Muskan Kumari
PCR	Aditya Raj, Allam Rafay khan
Human genome project	Anshuman, Bhavya Jha
DNA finger printing	Amar Kumar, Anand Agatsya
Cancer	Ayush Kumar Saurav, Hitesh Narayan
AIDS/ Hepatitis	Khushi, Kripa Krishna
Drug addiction and community	Tanmay, Shashwat Singh
Role of micro-organisms in industry	Komal Raj, Yasir
Human population	Parul Priya, Rohan Kumar
Mendelian inheritance	Roni Thomas
Environmental resistance	Mansi Kumari
SARS/COVID	Ujjwal

- 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.
- 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.

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## ECONOMICS

- Prepare two projects in two different practical copies

### Economics Project work (2023 – 24) 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.

### ACCOUNTACY

Prepare the projects ( one comprehensive project and one specific project)mentioned below. The projects are to be prepared in a single practical copy each contain at least 60 pages.

Format of the project :

1. Cover page ( which contain name, subject, class, Section, serial number etc)
2. Certificate
3. Acknowledgement
4. Contents (Index number and specify the page number)
5. What is a project? Usefulness of a project.
6. Introduction about the topics of the project
7. Details of the projects (as per the question)
8. Annexure like graph, charts, tables, paper cutting and supportive pictures etc.
9. Conclusion( separate for each project)
10. Bibliography. (Common for both the project)

Cover the project copy with transparent cellophane paper.

Note: =

- Project should be hand written, use blue/black pen only.
- Use Sketch pens/Highlighter for writing headings and sub-headings if necessary
- Unnecessary decorations is not allowed

#### **Project 1**

Form any imaginary firm, name the firm, prepare its partnership deed and take at least 15 imaginary transactions with the help of which pass journal entry prepare ledger account, trial balance, trading and profit and loss account and balance sheet. calculate current ratio, quick ratio, Debt equity ratio, gross profit ratio and net profit ratio.

(Include in contents basic information about a partnership- definition of partnership, types of partners, different types of partnership, rights of partners, partnership deed and its contents.)

#### **Project 2**

Prepare a cash flow statement with the help of a balance sheet  
Question number 59 (exercise from chapter13 cash flow statement)

(Include in content meaning of cash flow statement its objectives, importance and its limitations.)

Prepare a format of cash flow statement.

## COMMERCE

1. Select any two project out of 10 projects given in your book [project number 1 and 2 are advisable due to the part of your syllabus]
2. **Important instructions:-**
3. Both the project should be in a single school project copy.
4. One project should be of atleast 40 to 60 pages.
5. 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.
6. Certificate should contain space for Internal and External Examiner's signature.
7. Project should be handwritten.
8. Keep your project direct and to the point.
9. Unnecessary decorative work should be avoided and it should be simple and formal.
10. Project copy should be covered in Yellow chart paper and cellophane paper.
11. Bibliography.  
Cover the project copy with thin black coloured chart paper. Avoid use of Green and Red Colours.

## BUSINESS STUDIES

### Do's:-

- Use black or blue ink
- Both projects should be made in ONE copy
- Certificate, Acknowledgement, Content and Bibliography should be common for both projects. Certificate should contain space for internal and external examiner signature.
- Appropriate pictures, paper cuttings, charts and graphs can be used.
- Keep your project neat and clean.
- Cover it with black chart paper.
- School logo should be printed and pasted on chart paper with name, class and registration number.
- Project should contain at least 40 pages approx.
- Memorize all topics for internal assessment.

### Don'ts:-

- Do not type your project. It should be handwritten.
- Avoid red and green ink
- Keep it professional not colourful

**FORMAT OF PROJECT**

1. **CERTIFICATE**
2. **ACKNOWLEDGEMENT**
3. **CONTENT**
4. **PROJECT 1.**
  - a) **Introduction**
  - b) **Material Research Work**
  - c) **Conclusion**
5. **PROJECT 2.**
  - a) **Introduction**
  - b) **Material Research Work**
  - c) **Conclusion**
6. **BIBLIOGRAPHY**

**PROJECT: Select any TWO topics from**

1. Analyse the recruitment process in any two companies of your choice . List the loopholes if any and give suggestions for improving the process (You may also make a comparative study of the recruitment process).
2. Study the various types of leaves made available two employees. Leaves can be considered as financial cost to the organization. What other tangible and non tangible benefits does the organization stand to gain from incurring this cost? Do the benefits justify the cost?
3. Consider any two successful business leaders. Give a brief account of their leadership styles. Explain the impact of their leadership styles in the achievement of the organizational goals of their respective organisations.
4. Analyze the emerging trends in human resource management and discuss their implementation in India. (Comparative study of five organisations).
5. Make a comparative study of any two E-businesses in terms of their Nature, Size, Products and Services offered, Functioning and Policies.

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