

Don Bosco Academy, Patna
Holiday Home Work , Std 12 .
Session : 2025- 26

ENGLISH LITERATURE

(The English Literature Holiday Homework is to be done in a separate notebook.)

Answer the following questions.

1. What are the specific reasons for Macbeth's desire to eliminate Banquo and his son Fleance?
2. Explain the significance of the banquet scene in the play.
3. Referring closely to Act III scene –II explain how Macbeth seems to grow stranger while Lady Macbeth becomes weaker of the two? What fresh crimes is Macbeth contemplating on and why?
4. Describe Macbeth's agitation and abnormal behavior when the Ghost of Banquo first appears. How does Lady Macbeth show presence of mind and intervene to prevent Macbeth from betraying himself?

ENGLISH LANGUAGE

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

1. Do question 3 (Grammar Exercises) of Papers 10 to 14 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 $y = \sin^{-1} x$, $\cos^{-1} x$ and $\tan^{-1} x$ using the graph of $y = \sin x$, $y = \cos x$ and $y = \tan x$. Demonstrate the concept of mirror line (about $y = x$) and find its domain and range, with proper examples. (Use separate graph papers for each graph)
2. Explain the concepts of increasing and decreasing functions, using geometrical significance of $\frac{dy}{dx}$. Illustrate with proper examples. (use graph paper for graph where necessary)
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.

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. Give the concept of line and plane, Derive and write all formulas of straight lines and plane with one examples each
3. Explain the concept of finding area of curve bounded by axis and lines by integral methods. 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) Revenue (R), Average Revenue (AR) and Marginal Revenue (MR).
With proper explanations and examples with numerical problems.
Give their mathematical interpretation using the concept of increasing - decreasing functions
2. For a given data, find regression equations by the method of least squares. Both regression lines and regression co-efficient, With proper explanations and examples with numerical problems.
3. Explain all terms of LPP, Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP). At least 4 examples with proper graph on graph papers.

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:

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.

Holiday Home Work (MATHEMATICS)

- Revise the topics (i) **Trigonometry** (ii) **Relation and Function** from Class **XI** book
- Complete All the questions of Chapter Probability from Std XII book in a separate Copy.

PHYSICS

Answer the following questions:

1. What do you mean by quantization of electric charge?
2. Write Coulomb's law in the vector form.
3. State and explain superposition theorem of electric forces.
4. Calculate electric intensity at a point on the axis of a ring having uniformly distributed charge.
5. State and prove Gauss theorem.
6. Write three application of Gauss theorem.
7. Find the expression for loss of energy in case of sharing of charges.
8. Derive an expression for grouping of capacitance.
9. State Kirchhoff's law.
10. Find an expression for balance condition in case of Wheatstone bridge.

CHEMISTRY

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

Chapter-1: Solution

Chapter 2: Electro Chemistry

Chapter 3: Coordination Compounds

Practicals

- Titration (2)
- Organic Compounds
- Formaldehyde
- Glycerol

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

Biology

List of Project topics	Name of students
Genetic disorder	
Genetic Engineering, Biotechnology	
Bio-piracy	
DNA Fingerprinting	
Human Population	
AIDS/ Hepatitis/Cancer	
Biodiversity and Conservation	
Drug addiction and Community	
Mendelian inheritance	
Reproductive Health	
Human Genome Project	
Traditional and modern methods: study of a few traditional methods of pest deterrence vis-à-vis modern methods of pest control- viability of traditional methods in today's scenario and limitations and dangers of modern	
Role of agrochemicals in increasing food production.	

- 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

Computer Science

Design a class with following details

Class – Eqmat

Data members:

Int a[][], num ,m,n

Member methods:

Eqmat(int mm,int nn)

M=mm,n=mm

Void readarray() – for inputting values in array

Int check(Eqmat p, Eqmat q)

It returns 1 if matrix are equal otherwise 0

Void print()- print both the matrixes

A matrix is said to be equal if it is of same size and all its elements are same

ECONOMICS

- Revise chapter 1 to 6
- Prepare two projects in two different practical copies

Economics Project work (2025 – 26) 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
5. Functions of Central Bank.
(All major functions including credit control)
 - Quantitative

- CCR
- SLR
- Bank Rate
- Open Market operation
- Qualitative
- Marginal Requirement
- Direct Action
- Moral Suasion
- Credit Rationing

(In Detail)

6. Conclusion

7. 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.

Holiday Assignment Subject: Economics

Chapter 14

- (i) What are repo rate and reserve repo rate?
- (ii) Briefly explain clearing house function of the central Bank.
- (iii) Explain the role of RBI.
 - a. Bank to the Government.
 - b. Promotional and development function.
 - c. Custodian of foreign exchange.
- (iv) Explain how CRR and SLR can be used by the central Bank to control credit.
- (v) How do commercial Banks credit? Do they enjoy unlimited power to create credit? Discuss.

Chapter – 16

- (i) Is deficit financing inflationary? Give reason for answer.
- (ii) Public expenditure helps in increasing production of an economy. In this content discuss any two public expenditures.
- (iii) How does fiscal policy of the Government control inflation with the following tools :-
 - a. Public expenditure
 - b. Taxation.
 - c. Public borrowing

COMMERCE

➤ **Select any two project out of 4 projects given below**

1. Compare marketing strategies adopted by two different companies of the same industry (FMCG/Telecommunication/media/education industry, etc.) keeping in mind the following
 Product mix
 Price Mix
 Place Mix
 Promotion Mix
2. Collect newspaper/magazine clippings of five cases filed by consumers in the Consumer Court
 Find out the rights violated, and the redressal mechanism used
 What was the outcome of each case?

3. Choose two companies of the same industry. Study their organizational structure. Also give information with regard to:
 Hierarchy
 Centralisation and delegation of authority
 Flow of information (scalar chain)
 Span of control
 Channel of communication
4. Select any business undertaking. Study the selected business in terms of ownership, capital and profitability
 Make a S.W.O.T analysis and present it in a tabular form.

➤ **Important instructions:-**

- Use black or blue ink
- 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 Certificate, Acknowledgement, Index column, Appropriate pictures, paper cuttings, charts and graphs can be used (to make the data meaningful), Conclusion and Bibliography.
- Leave space for Certificate (format will be given before the date of submission).
- Project should be handwritten.
- Keep your project direct and to the point.(Keep it professional not colourful)
- Project copy should be covered with light Blue chart paper and cellophane paper.
- Keep your project neat and clean.

BUSINESS STUDIES

➤ **Select any 2 project out of 4 projects given below**

1. Analyze the recruitment process in any two companies of your choice . List the loop holes if any And give suggestions for improving the process (You may also make a comparative study of the Recruitment process).
2. 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.
3. Analyze the emerging trends in human resource management and discuss their implementation In India. (Comparative study of five organisations).
4. Make a comparative study of any two E-businesses in terms of their Nature, Size, Products and Services offered, Functioning and Policies

➤ **Important instructions:-**

- Use black or blue ink
- 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 **Certificate, Acknowledgement, Index column, question, Appropriate pictures, paper cuttings, charts and graphs, (to make the data meaningful) Conclusion and Bibliography.**
- Leave space for Certificate (format will be given before the date of submission).
- Project should be handwritten.
- Keep your project direct and to the point.(Keep it professional not colourful)
- Project copy should be covered with light yellow chart paper and cellophane paper.
- Keep your project neat and clean.

ACCOUNTANCY

Project work

Std12 **Accounts**

Your required to prepare to project works

1. **Comprehensive problem**
2. **Cash flow statement**

The sequence of the different contents of the projects are as follows

1. **Cover page**
2. **Acknowledgement**
3. **Certificate**
4. **Contents**
5. **Project 1. comprehensive problem**
 - i) **Introduction to project work**
 - ii) **Write about journal ledger trial balance cashback and final account (definitions only)**
 - iii) **Hypothetical problem with 15 imaginary transactions**
 - iv) **Then prepare Journal, Ledger, Trial Balance Cash Book and the final account that is trading account, profit and loss account and balance sheet.**
 - v) **Pie chart aur bar graph barabar possible**
 - vi) **Conclusion.**

Project 2 cash flow statement

- i) **Introduction (give the definition of cash flow statement and advantages and disadvantages of it)**
- ii) **Discuss its theoretical aspect**
- iii) **hypothetical problem with a balance sheet and few adjustment entries**
- iv) **Give the solution to the problem**
- v) **Prepare graph wherever possible**
- vi) **Conclusion**

Bibliography

Political Science

Do these work in your fair notebook

- 1) Make the Project on the topic DEMOCRACY in India: Perspective of Challenges faced:(Caste,Communalism),
Regionalism and Political Violence)
- 2) Learn the question answers of the chapters taught in the class.
- 3) Solve the board papers from 2020 onwards.

History

1. Write the MCQ and Question Answers from the previous years Board Papers from 2020 onwards till 2024.
2. Thoroughly learn all the notes given in the class.
3. Make History Project for your internal assessment on Cold War.

Students should use school practical copy and covered it with cellophane paper.

Do not use red or green pen.

Students may paste black and white or coloured pictures with a brief description about the picture.

Please don't forget to fill in the details like class, name, section and roll number correctly.

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.

.....