

Don Bosco Academy, Patna
Holiday Home Work , Std 12 .
Session : 2026- 27

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,

Pure Maths (860) Projects (any two)

1. Draw the graph of $y = \sin^{-1} x$, $y = \cos^{-1} x$ and $y = \tan^{-1} x$ using the graph of $y = \sin x$, $y = \cos x$ and $y = \tan x$. Explain the principal values, domain and range of these functions. Demonstrate the concept of mirror line (about $x = 0$).
2. Explain the concepts of increasing and decreasing functions, using geometrical significance of $\frac{dy}{dx}$. Illustrate with proper examples.
3. Verify the consistency of the system of three linear equations of two variables and verify the same graphically. Give its geometrical interpretation.
4. Explain and illustrate (with suitable examples) the concept of, local maxima and local minima, absolute maxima and absolute minima using graph.
5. Explain the conditional probability, the theorem of total probability and concept of Bayes' theorem with suitable examples.
6. 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.
7. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same.
8. Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
9. Using Vector algebra, prove the formulae of compound angles, e.g. $\sin(A + B) = \sin A \cos B + \sin B \cos A$, etc.

Applied Maths (885) Projects (any two)

1. Draw the graph of $y = \sin^{-1} x$, $y = \cos^{-1} x$ and $y = \tan^{-1} x$ using the graph of $y = \sin x$, $y = \cos x$ and $y = \tan x$. Explain the principal values, domain and range of these functions. Demonstrate the concept of mirror line (about $x = 0$).
2. Explain the concepts of increasing and decreasing functions, using geometrical significance of $\frac{dy}{dx}$. Illustrate with proper examples.
3. Verify the consistency of the system of three linear equations of two variables and verify the same graphically. Give its geometrical interpretation.

4. Explain and illustrate (with suitable examples) the concept of, local maxima and local minima, absolute maxima and absolute minima using graph.
5. Explain the conditional probability, the theorem of total probability and concept of Bayes' theorem with suitable examples.
6. 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.

7. Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
8. Different methods to calculate depreciation. Main inputs to calculate depreciation. Linear or straight line method to find depreciation with a suitable real life example.
9. Identify the purchasing power using the concept of cost of living index number. Identify the purchasing power using the concept of weighted aggregate price index number
10. Real life application of Binomial distribution, Poisson and Normal distribution in the field of medical, games, banking, election result etc.
11. Calculate moving averages with the given even Periodicity. Plot them and as well as the original data on the same graph.

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.
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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

Solve last 8 years ISC questions of the following chapters

1. Write all answers of the question from Electrostatics
 2. Do all multiple choice and assertion and reason questions
 3. Do all works on loose sheet
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CHEMISTRY

1. Solve last 5 years ISC questions of the following chapters in Chemistry copy
Chapter- Solution
Chapter - d- and f- Block Elements
2. Do the project allotted and submit it in the last week of June.

Biology

List of Project topics	
Genetic Disorder/ Mendelian Inheritance	
DNA Fingerprinting	
AIDS / Cancer / Hepatitis	
Biodiversity and Conservation	
.Reproductive health	
Microbes in human welfare	

IMPORTANT INSTRUCTIONS

- *Project to be made in a practical record of 80 pages.
- *The 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 of newspaper cuttings to support the subject matter of your project.
- *There should be a minimum 40 pages of written matter related to the topic.

Format of the project

- *Certificate-1page (will be shared in the class group)
- *Acknowledgement-1 page.
- *Content (Topics)-1-2pages.
- *Introduction of topic-1-2pages.
- *Details of the topic- min 25 pages.
- *Conclusion-1-2 pages.
- *Bibliography- 1page.

ECONOMICS

- Prepare two projects in two different practical copies

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

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

ACCOUNTANCY

Select any one comprehensive project [partnership firm] and one specific project related with cash flow statement (Question number 40 or 41) given in your book.

Important instructions:-

- Both the project should be in **single 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.

- 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 **Light Blue chart paper with cellophane paper**.

COMMERCE

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

How to prepare the project

1. Cover page
2. Acknowledgement
3. Certificate
4. Contents
5. Introduction
 - (a) What is a project
 - (b) Purpose/objective of preparing project
 - (c) Advantage and disadvantage of project
6. The subject details of the topic
7. Conclusion
8. 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

Take any two topics given in the list of project work

How to prepare a project

Distribute the project as follows

1. Cover page
2. Acknowledgement
3. Certificate
4. Contents

5. Introduction
 - a) what is a project
 - b) purpose/objective of preparing a project
 - c) advantages and disadvantages of a project
6. Write about company history
7. Sources of a data collection on hypothetical situations
8. Data analysis
9. Conclusion
10. Bibliography

Political Science

Holiday Homework

- 1) Make the project on the topic: Fundamental Rights and Directive Principles of State policy.
- 2) Learn the questions answers of the chapters taught in the class.
- 3) Solve the board papers from 2022

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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HISTORY

HISTORY HOLIDAY HOMEWORK-2026-27 STANDARD 12

1. Do all the MCQs from the Previous Year Board Papers of 2024, 2025 and 2026.
2. Thoroughly learn the chapters taught in class.
3. Make the History Project for your internal assessment according to the instructions mentioned below.

HISTORY PROJECT

SECOND WORLD WAR- CAUSES AND CONSEQUENCES

Instructions:-

1. The students should only use the school practical copy consisting of 96 pages. (Around Rs 65). They will cover it with a cellophane paper. Only school practical copies will be accepted.
2. Students shall not use red or green pen for writing. Only black or blue pen can be used.
3. Students may either paste black and white or coloured pictures. They may even draw sketches of characters/events. A brief description of the picture pasted should be provided.
4. The project should contain a minimum of 30 pages. The maximum page limit lies on the discretion of the student.
5. The students shall not to decorate the project with any stickers or other ornaments.
6. The students shall fill in the details- name, class, section and roll number correctly.

Content:-

The following order is to be followed for the History Project.

1. Acknowledgment
2. Content/ Index
3. Introduction to History Project
4. Introduction to Second World War- A brief sketch of the political scenario leading to the Second World War, Uniqueness of the War
5. Causes of the War- All causes to be discussed in detail
6. Events to be mentioned briefly for chronology.
7. Consequences- Other consequences to be discussed.
8. Conclusion (it should be your own interpretation)
9. Bibliography (sources from which the content has been drawn)
10. Thank You



Computer Science

A class Trimorphic has been defined to accept a positive integer and check if it is Trimorphic or not

[A number is said to be trimorphic if the cube of the number ends with the number itself]

Example 1: $24^3 = 13824$ ends with 24

The details are as follows

Class name Trimorphic

Data members:

Int n and long cube ----- for number and its cube

Methods:

Trimorphic() default constructor

Void accept() --- for inputting number

Boolean check (int num , long c)--- to compare num with last digits of c using recursion

Void result() To check the number by invoking the recursive method

Write the main method giving details of all method and invoke the functions using an object.

S.U.P.W

Topic: Environment and changing climatic conditions.

Important instructions:-

- Project should be in **single thin (96 pages) school project copy.**
- Project should be of **at least 40 to 45 pages.**
- It is mandatory that you include **Certificate, Acknowledgement, Index column, question of project, necessary pictures and photographs** (to make the data meaningful), **Conclusion and Bibliography** in your project.
- 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 **Light Green chart paper with cellophane paper.**

Physical Education

Holiday Homework

Theory Part:

Chapter 1. Sociological aspect of physical education

- 1.1: Games and sports are maries cultural heritage.
- 1.2 Development through of the individual through games and sports
- 1.3 Role of physical education in promoting national integration.
- 1.4 Physical education and personality development.

Chapter 2. Training Method

- 2.1 Meaning and importance of sports training
- 2.2 Method of training
- 2.3 Warming up, conditioning and cooling/limbering down.
- 2.4 Isometric and Isotonic exercise.
- 2.5 Circuit training
- 2.6 weight training.

Practical:

Any two game

1. Athletics
2. Badminton
3. Basketball
4. Cricket
5. Football
6. Hockey
7. Swimming
8. Volleyball
