

CLASS 12 -B
PROJECT WORK SESSION 2026-27
[Last date of submission 15/07/2026]

ENGLISH 1 (ENGLISH LANGUAGE)

General Instructions:

- 1. Use Black waterproof ink.**
- 2. Project should be written in neat handwriting.**
- 3. Take care of paragraphing, punctuation marks and spellings. Paragraphs should be indented.**
- 4. Use neatly covered hardboard file.**
- 5. Page sequence should be strictly followed as:
-Acknowledgment, Index, Project content, Bibliography.**

Undertake any one written assignment of 500 words from the list given below.

- 1. The text of a brochure**
- 2. A product description**
- 3. A process description (e.g. instruction to operate a device, a recipe, a scientific experiment)**
- 4. Description of a sporting event**
- 5. An autobiographical experience**
- 6. Review of a television serial**

ENGLISH 2 (LITERATURE IN ENGLISH)

General Instructions:

- 1. Use Black waterproof ink.**
- 2. Project should be written in neat handwriting.**
- 3. Take care of paragraphing, punctuation marks and spellings. Paragraphs should be indented.**
- 4. Use neatly covered hardboard file.**
- 5. Page sequence should be strictly followed as: - Cover page, Acknowledgment, Index, Project content, Bibliography.**

Undertake one written assignment of 1000-1500 words, which should be structured as given below:

A. The written assignment must be given a title in the form of a question to explore the drama or the chosen short stories/poems in depth.

B. The written assignment must follow the structure given below:

- Introduction: - Explanation of the question that has been framed - Reason for choosing the text - Brief explanation of how you intend to interpret the chosen text and literary materials used in the process.
- Main Body – Organised and well-structured treatment of the question using appropriate sub-headings.
- Conclusion – comprehensive summary of the points made in the main body.

List of suggested assignments for Project Work:

1. Analysis of a theme from any short story/poem in the prescribed texts.
2. Analysis of a character from the drama or any short story/poem in the prescribed texts.
3. Appreciation of literary qualities of the chosen text.
4. Identifying with a character in the chosen text and presenting his/her personal perspective.
5. Imagining an alternate outcome or ending or extension of the chosen text and its impact on the plot/setting/characters/mood and tone.
6. A script for dramatization, based on the short story/poem chosen.
7. Writing a short story based on a poem.
8. Comparing and contrasting two characters/themes from different short stories/poems of the prescribed texts.

HISTORY

MAKE A DETAILED PROJECT ON ANY ONE OF THE FOLLOWING TOPICS

1. Martin Luther King.
2. Protests Movements – A detailed study on – political ideologies, civil rights, women, workers.

3. Nelson Mandela.
4. Mao Zedong and the Chinese Communist Revolution.
5. Collapse of the Russian Communism.
6. Theatres of World War II – change in warfare.
7. second world war-course and impact on INDIA.
8. A detailed account of Emergency of 1975.
9. Origin of the Cold War.
10. Chemical disasters of 1980's-Chernobyl and Bhopal gas tragedy.
11. Indo Pak wars of 1965 and 1971.
12. Non-Aligned Movement.
13. Partition of India.
14. Causes and impact of the Cold War.
15. J P Movement.

MATHEMATICS

Instructions: Students are required to complete any two projects one from Section-A and one from either Section-B or Section-C out of the following:

Section – A

1. Using a graph, demonstrate a function which is one-one but not onto.
2. Using a graph demonstrate a function which is invertible.
3. Draw the graph of $y = \sin^{-1} x$ (or any other inverse trigonometric function), using the graph of $y = \sin x$ (or any other relevant trigonometric function). Demonstrate the concept of mirror line (about $y = x$) and find its domain and range.
4. Explore the principal value of the function $\sin^{-1} x$ (or any other inverse trigonometric function) using a unit circle.
5. Find the derivatives of a determinant of the order of 3×3 and verify the same by other methods.
6. Verify the consistency of the system of three linear equations of two variables and verify the same graphically. Give its geometrical interpretation.

7. For a dependent system (non-homogeneous) of three linear equations of three variables, identify infinite number of solutions.
8. Explain the conditional probability, the theorem of total probability and the concept of Bayes' theorem with suitable examples.

Section – B

9. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same.
10. Using Vector algebra, prove the formulae of properties of triangles (sine/cosine rule, etc.)
11. Using Vector algebra, prove the formulae of compound angles, e.g. $\sin(A + B) = \sin A \cos B + \sin B \cos A$, etc.

Section – C

12. Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
13. For a given data, find regression equations by the method of least squares. Also find angles between regression lines.
14. Draw the scatter diagram for a given data. Use it to draw the lines of best fit and estimate the value of Y when X is given and vice-versa.

APPLIED MATHEMATICS

Students are required to make two projects from the topics given below:

1. Using a graph, demonstrate a function which is one-one but not onto.
2. Using a graph demonstrate a function which is invertible.
3. Draw the graph of $y = \sin x$ (or any other inverse trigonometric function), using the graph of $y = \sin x$ (or any other relevant trigonometric function). Demonstrate the concept of mirror line (about $y = x$) and find its domain and range.
4. Explore the principal value of the function $\sin^{-1}x$ (or any other inverse trigonometric function) using a unit circle.
5. Find the derivatives of a determinant of the order of 3×3 and verify the same by other methods.
6. Verify the consistency of the system of three linear equations of two variables and verify the same graphically. Give its geometrical interpretation.
7. For a dependent system (non-homogeneous) of three linear equations of three variables, identify infinite number of solutions.
8. Explain the concepts of increasing and decreasing functions, using geometrical significance of dy/dx . Illustrate with proper examples.

9. Explain and illustrate (with suitable examples) the concept of local maxima and local minima using graph.
10. Explain and illustrate (with suitable examples) the concept of absolute maxima and absolute minima using graph.
11. Explain the conditional probability, the theorem of total probability and the concept of Bayes' theorem with suitable examples.
12. Explain the types of probability distributions and derive mean and variance of binomial probability distribution for a given function.
13. Using any suitable data, find the minimum cost by applying the concept of Transportation problem.
14. Using any suitable data, find the minimum cost and maximum nutritional value by applying the concept of Diet problem.
15. Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
16. Demonstrate application of differential equations to solve a given problem (example, population increase or decrease, bacteria count in a culture, etc.).
17. Draw a rough sketch of Cost (C), Average Cost (AC) and Marginal Cost (MC)

Or

Revenue (R), Average Revenue (AR) and Marginal Revenue (MR).

18. Give their mathematical interpretation using the concept of increasing decreasing functions and maxima-minima.
19. For a given data, find regression equations by the method of least squares. Also find angles between regression lines.
20. Draw the scatter diagram for a given data. Use it to draw the lines of best fit and estimate the value of Y when X is given and vice-versa.
21. Different methods to calculate depreciation. Main inputs to calculate depreciation. Linear or straight-line method to find depreciation with a suitable real-life example.
22. Stock price movement.
23. Predicting stock market crash.
24. Risk assessment of insurance firm from data.
25. Identify the purchasing power using the concept of cost of living index number.
26. Identify the purchasing power using the concept of weighted aggregate price index number.

27. Calculate moving averages with the given even Periodicity. Plot them and as well as the original data on the same graph.

28. Real life application of Binomial distribution, Poisson and Normal distribution in the field of medical, games, banking, election result etc.

29. Applications of Sequence and series in Banking and Finance.

ACCOUNTS

General Instructions for Project Work

1. Use interleaf white page only.
2. Use black & blue pen only.
3. 1 page each for acknowledge, Index preface, cover page, bibliography, conclusion.
4. Properly covered cardboard file is only acceptable. Cover could be chart papers (any color) or brown cover only.
5. Paste pictures (could be colored or black/ white) or draw charts/graphs, pictures etc. (Choose as per your convenience).

6. Simple white sheet should be used for writing work. No colored papers are allowed.
7. Page sequence should be strictly followed as: cover page, acknowledgment, preface, index, project content, conclusion, bibliography,

Topics for project work

Preparation of journal/ sub-division of journal, ledger, trial balance and financial statements of a partnership form of business on the basis of a case study.

- Develop a case study showing how two or more friends decide to come together and start a business with a certain amount of capital.
- Prepare their partnership deed including interest on capital, partner's salary, commission, interest on drawings, interest on partner's loan and rent paid to partner.
- Write in detail, their transactions during the year. Purchase- cash and credit, sales- cash and credit, expenses, purchase of fixed assets and depreciation charged on them, any outstanding expenses, prepaid expenses, accrued income, drawing bill of exchange, accepting bills payable etc.
- From this case study developed (which should have at least 15 transactions), pass the journal entries, post them into the ledger, prepare a trial balance and the trading and profit and loss account and profit and loss appropriation account and balance sheet.
- The various expenses, for comparison purposes, could be depicted in the form of bar diagrams and pie charts.
- Calculate relevant accounting ratios like liquidity, solvency, activity and profitability giving their formula and computation (all this could be part of the viva-voce).
- The ratios could also be shown graphically and /or pictorially (bar diagrams and pie charts) and if possible, could be compared with the ratios of the industry.

ECONOMICS

Guidelines for the preparation of the project are as follows.

[1] Each student is supposed to prepare a project which is mentioned against one's name.

[2] For contents, first of all you must consult your text book, later on you must consult and go through internet options.

[3] The project must be hand written; writing should be neat & clean and readable.

[4] **The project must contain minimum 21 pages.**

[5] Each student is supposed to prepare an individual project and not group project.

[6] Project is to be prepared in loose sheets.

[7] **Only cardboard files or spiral bindings are acceptable.**

[8] Sequence of a project must be as follows.

{1} PREFACE

{2} ACKNOWLEDGEMENT

{3} CLASSIFICATION OF THE SUBJECT MATTER OF THE TOPIC/ TOPICS. CLASSIFIED CONTENTS MEAN INDEPTH DESCRIPTION OF THE TOPIC SELECTED FOR THE PROJECT.

{4} DESCRIPTIONS SHOULD BE SUPPORTED BY REQUIRED TABLES AND DIAGRAMS.

{5} CONCLUSION / FINDINGS

[9] A PROJECT MUST LOOK LIKE A GENUINE PROJECT BECAUSE IT CARRIES 10 MARKS.

Allocation of projects is as follows.

S. NO	NAME OF STUDENT	TOPIC ALLOTTED
1	ABDUL SATTAR	DEMAND AND SHIFTS IN DEMAND
2	ABHINAV YADAV	CONSUMER'S EQUILIBRIUM
3	AISH FATMA	ELASTICITY OF DEMAND
4	AISHA AJMAL	SUPPLY AND ELASTICITY OF SUPPLY
5	AMIT KUMAR	EQUILIBRIUM PRICE
6	ANSH PANDEY	SIMPLE APPLICATIONS OF TOOLS OF DEMAND AND SUPPLY
7	ANURAG DHANUKA	CONCEPT OF PRODUCT AND PRODUCTION FUNCTION
8	ATIF ZAKEE	COSTS
9	DEEPAK KUMAR CHAURASIA	REVENUES
10	DIPTANSHI	PRODUCER'S EQUILIBRIUM
11	DIVYANSHU AGRAWAL	MARKET FORMS
12	HARSHIT SONI	EQUILIBRIUM OF A FIRM

13	HIMANI YADAV	INCOME DETERMINATION
14	IRTIKA FIROZ	PROBLEMS OF DEFICIENT AND EXCESS DEMAND
15	KARTIKA CHAURASIA	COMMERCIAL BANKS
16	KUSHAGRA GUPTA	CENTRAL BANK
17	MADIHA FATIMA	BALANCE OF PAYMENTS
18	MAYANK SHUKLA	FOREIGN EXCHANGE RATES
19	PRATEEK AGRAHARI	FISCAL POLICY
20	RAMITH VISHWAKARMA	GOVERNMENT BUDGET AND CONCEPT OF DEFICIT
21	RISHI MUKHERJEE	CIRCULAR FLOW OF INCOME

22	RIYA RAI	CONCEPT OF NATIONAL INCOME
23	SAISHA GUPTA	MEASUREMENT OF NATIONAL INCOME
24	SAMARTH JAISWAL	DEMAND AND SHIFTS IN DEMAND
25	SARAH ISAACS	CONSUMER'S EQUILIBRIUM
26	SHREY OJHA	ELASTICITY OF DEMAND
27	STUTI KHANNA	SUPPLY AND ELASTICITY OF SUPPLY
28	SUMATI SUKHWANI	EQUILIBRIUM PRICE
29	SWARIT CHAURASIYA	SIMPLE APPLICATIONS OF TOOLS OF DEMAND AND SUPPLY
30	TANISHA GUPTA	CONCEPT OF PRODUCT AND PRODUCTION FUNCTION
31	UNNATI FISK	COSTS
32	VAIBHAV SHARMA	REVENUE
33	VAIDIK SHARMA	PRODUCER'S EQUILIBRIUM
34	VANSH TRIPATHI	MARKET FORMS
35	VANSHAM AGARWAL	EQUILIBRIUM OF A FIRM
36	ZAINA ZAHID	INCOME DETERMINATION
37	AARNA SANDILYA	PROBLEMS OF DEFICIENT AND EXCESS DEMAND
38	KIRTI JAISWAL	CONCEPT OF MONEY AND ITS FUNCTIONS
39	MISHKAT FATMA	COMMERCIAL BANKS
40	PRAKHYAT SURAJ	CENTRAL BANKING
41	SHAIL SUTA PANDEY	BALANCE OF PAYMENTS
42	SRISHTI MISHRA	FOREIGN EXCHANGE RATES
43	UMME KULSUM	FISCAL POLICY

44	VANYA JAISWAL	GOVERNMENT BUDGET & DEFICIT CONCEPTS
45	WARISHA SHAMOOL	CIRCULAR FLOW OF INCOME
46	AARAV SRIVASTAVA	CONCEPTS OF NATIONAL INCOME
47	HIMANSHU SONI	MEASUREMENT OF NATIONAL INCOME
48	KANISHKA SHARMA	DEMAND AND SHIFTS IN DEMAND
49	KRITIKA CHOWDHURY	CONSUMER'S EQUILIBRIUM
50	KSHITIJ KESHRI	ELASTICITY OF DEMAND
51	NAVEE VERMA	SUPPLY AND ELASTICITY OF SUPPLY
52	OM	EQUILIBRIUM PRICE
53	PAHEL DHANUKA	SIMPLE APPLICATIONS OF TOOLS OF DEMAND AND SUPPLY
54	PARTH SINGH	CONCEPT OF PRODUCT AND PRODUCTION FUNCTION
55	SANCHIT GUPTA	CONCEPTS OF COSTS
56	YUVRAJ MAURYA	CONCEPTS OF REVENUE

COMMERCE

Guidelines for the preparation of the project are as follows.

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S. NO	NAME OF STUDENT	TOPIC ALLOTTED
1	ABDUL SATTAR	CONSUMER PROTECTION ACT 2019
2	ABHINAV YADAV	BRANDING
3	ANSH PANDEY	ELEMENTS OF PHYSICAL DISTRIBUTION
4	AISH FATMA	FUNCTIONS OF MARKETING
5	AISHA AJMAL	CONTROLLING FUNCTION OF MANAGEMENT
6	AMIT	MOTIVATION IN MANAGEMENT
7	ATIF ZAKEE	SUPRVISION IN MANAGEMENT
8	DEEPAK CHAURASIA	DIRECTING FUNCTION OF MANAGEMENT
9	DIPTANSHI	STAFFING FUNCTION OF MANAGEMENT
10	DIVYANSHU AGRAWAL	ORGANISATIONAL STRUCTURE OF MANAGEMENT
11	HARSHIT SONI	CENTRALISATION AND DECENTRALISATION
12	HIMANI YADAV	PLANNING FUNCTION OF MANAGEMENT
13	HIMANSHU SONI	TYPES OF PLANS
14	IRTIKA FIROZ	FAYOL'S PRINCIPLES OF MANAGEMENT

15	KANISHKA SHARMA	CONCEPTS OF MANAGEMENT
16	KARTHIKA CHAURASIA	IMPORTANCE OF MANAGEMENT
17	KRITI JAISWAL	ONLINE PAYMENT SYSTEMS WITH NEFT IN PARTICULAR
18	KRITIKA CHOWDHARY	MOBILE BANKING
19	KSHITIJ KESHARI	DIMENSIONS OF BUSINESS ENVIRONMENT
20	KUSHAGRA GUPTA	FINANCIAL PLANNING AND CAPITAL STRUCTURE
21	MADIHA FATMA	WORKING CAPITAL
22	MISHKAT FATMA	SALE OF GOODS ACT 1930
23	NAVEE VERMA	TRADING ON EQUITY
24	OM	EMPLOYEE'S STOCK OPTION PLAN
25	PAHEL DHANUKA	DEBENTURES
26	PARTH SINGH	FINANCIAL INSTITUTIONS OF INDIA
27	PRAKHYAT SURAJ	DIGITAL BANKING IN INDIA
28	PRATEEK AGRAHARI	MODERN COMMUNICATION SYSTEMS
29	RAMIT VISHWAKARMA	PACKAGING INDUSTRY IN INDIA
30	RISHI MUKHERJEE	MARKETING RESEARCH
31	RIYA RAI	CIVIL AVIATION SECTOR OF INDIA
32	SAISHA GUPTA	COOPERATIVE SECTOR IN INDIA
33	SAMARTH JAISWAL	EMERGING DIMENSIONS OF TOURISM SECTOR IN INDIA
34	SANCHIT GUPTA	AUTOMOBILE INDUSTRY IN INDIA
35	SARAH ISAACS	INSURANCE IN PRIVATE SECTOR IN INDIA
36	SHAILSUTA PANDEY	TEXTILE INDUSTRY IN INDIA
37	SHRISHTI MISHRA	F.I.C.C.I
38	STUTI KHANNA	H.D.F.C BANK
39	SUMATI SUKHWANI	I.C.I.C.I. BANK
40	SWARIT CHAURASIA	STATE BANK OF INDIA
41	TANISHA GUPTA	I.D.B.I
42	UMME KULSUM	NATIONAL STOCK EXCHANGE

43	UNNATI FISK	HUMAN RESOURCE MANAGEMENT IN INDIA
44	VAIBHAV SHARMA	CAPITAL STRUCTURE OF A COMPANY
45	VAIDIK KR. SHARAMA	LIFE INSURANCE CORPORATION OF INDIA
46	VANSH TRIPATHI	MANAGEMENT EDUCATION IN INDIA
47	VANSHAM AGRAWAL	UPI AND BHIM ONLINE PAYMENT PLATEFORMS
48	VANYA JAISWAL	WAREHOUSING IN INDIA
49	WARISHA SHAMOOL	TRANSPORTATION IN INDIA
50	YAUVRAJ MAURYA	E. MARKETING
51	ZAINA ZAHID	S.W.O.T ANALYSIS
52	SHERY OJHA	UNIFIED PAYMENT INTERFACE
53	MAYANK SHUKLA	E. BANKING
54	AARANA SANDILYA	ONLINE PAYMENT SYSTEMS WITH RTGS IN PARTICULAR
55	AARAV SRIVASTAVA	LEVELS OF MANAGEMENT
56	ANURAG	MANAGEMENT AS A PROFESSION

HINDI

हिंदी परियोजना कार्य

प्रथम – भाषा परियोजना

निबंध – भारतीय संस्कृति की विशेषताएं (अधिकतम 450 शब्द)

संकेत बिन्दु

प्रस्तावना : गरिमाशाली संस्कृति

ज्ञान, त्याग, सत्य ,अहिंसा की परिचायक

विश्व कल्याण, वसुधैव कुटुम्बकम् की आदर्श भावना, अनेकता में एकता, शांति प्रिय संस्कृति उपसंहार

द्वितीय – साहित्य परियोजना

1. पाठ्यक्रम में संकलित तुलसी दास के पदों की व्याख्या करते हुए उनकी भक्ति भावना को स्पष्ट करें। (अधिकतम 250 शब्द)
2. भक्तिन रेखाचित्र के आधार पर भक्तिन का चरित्र – चित्रण कीजिए।