

**MILESTONE ACADEMY SESSION-2021
SUMMER VACATION HOMEWORK
CLASS-XII**

DATE OF SUBMISSION-

SUBJECT-ENGLISH

Q1. Write a letter to the editor of a national daily highlighting the neglect of our national monuments & how these are being damaged in the present day world.

Q2. Draft a poster on conservation of water and saving our sparrows.

Q3. Mahatma Gandhi once said, “ I regard English language as an open window for preparing into western thoughts & science”. Write a speech to be delivered in the in the morning assembly expressing your view points of “English in India”

ACCOUNTS

ACCOUNTS PROJECT WORK :

It carries a weightage of **20 marks in the final examination** and is mandatory for all the students. Final examination will be of 80 marks.

Project file content of following three projects;

- Prepare comprehensive project on preparation journal, ledger, trial balance and financial statement of a hypothetical business organisation
- Segment analysis of any business from newspaper cutting
- Accounting ratio analysis of any business from newspaper cutting

PERFORMA OF PROJECT FILES

- Title page
- Acknowledgement
- Certificate
- Index

BUSINESS STUDIES

B.S project work (Vacation H.W)

1. You are supposed to select any one topic from the topics suggested below:-

- (a) Elements of Business Environment
- (b) Principles of Management (Fayol)
- (c) Principles and Techniques of management (Taylor)
- (d) Stock exchange
- (e) Marketing

2. The total length of project will be 25 to 30 pages.

3. The project should be handwritten.

4. The project should be presented in a neat folder:-

- The cover page should include the title of the project, student information, school and year.
- list of contents
- Acknowledge and preface
- introduction
- Topic with suitable heading
- Planning and activities done during the project
- Observations and finding out the visit
- Conclusions
- Photographs
- Appendix

- Allocation of marks = 20 marks

- The marks will be allocated under the following heads:-

1. Initiative co-operativeness and participation = 2 marks
2. creativity in presentation = 2 marks
3. Content, observation and research work = 4 marks
4. Analysis of situations = 4 marks
5. Viva = 8 marks

Total = 20 marks

ECONOMICS

The **objectives** of the project work are to enable learners to:

probe deeper into theoretical concepts learnt in classes XI and XII

analyse and evaluate real world economics scenarios using theoretical constructs and

arguments demonstrate the learning of

economic theory follow up aspects of economics in which learners have interest

develop the communication skills to argue logically The **expectations** of the project work are that:

learners will complete only **ONE** project in each academic session

projects should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written it

will be an independent, self-directed piece of study

Role of the teacher:

The teacher plays a critical role in developing thinking skills of the learners. A teacher should:

help each learner select the topic based on recently published extracts from the news media,

government policies, RBI bulletin, NITIAayog reports, IMF/World Bank reports etc., after

detailed discussions and deliberations of the topic

play the role of a facilitator and supervisor to monitor the project work of the learner through

periodic discussions guide the research work in terms of sources for the relevant

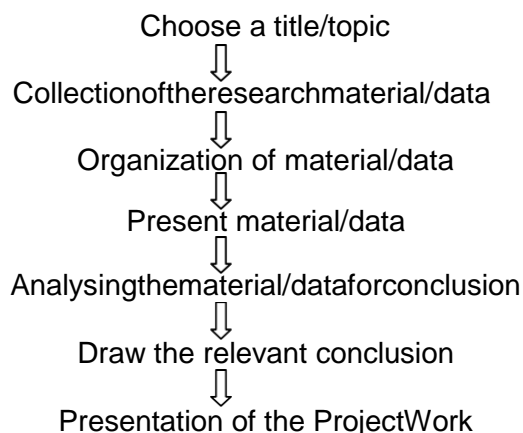
data educate learner about plagiarism and the importance of quoting the source of the

information to ensure authenticity of research work prepare the learner for the presentation of the proj

ect work arrange a presentation of the project file

Scope of the project:

Learners may work upon the following lines as suggested flowchart:



Expected Checklist:

Introduction of topic/title

Identifying the causes, consequences and/or remedies

Various stakeholders and effect on each of them

Advantages and disadvantages of situations or issues identified

Short-term and long-term implications of economic strategies suggested in the course of research

Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file

Presentation and writing that is succinct and coherent in project file

Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

MARKING SCHEME:

Marks are suggested to be given as

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Note :-

1. The project should be practical oriented, it should not be theoretical based.
2. Facts and Figure mentioned in the project should be up to the mark. (Realistic approach)
3. For Eg:- If you take MSME take a working MSME and write about it through field work and realistic data.
4. The Project should have a realistic approach.

Class XII	
1. Micro and Small Scale Industries	16. Food Supply Channel in India
2. Contemporary Employment situation in India	17. Disinvestment policy of the government
	18. Health Expenditure (of any state)
3. Human Development Index	19. Inclusive Growth Strategy
4. Self-help group	20. Trends in Credit availability in India
5. Monetary policy committee and its functions	21. Role of RBI in Control of Credit
	Trends in budgetary condition of India
6. Exchange Rate determination – Methods and Techniques	22. Currency War – reasons and repercussions
7. Livestock – Backbone of Rural India	23. Alternate fuel – types and importance
8. Sarva Siksha Abhiyan – Cost Ratio Benefits	24. Golden Quadrilateral – Cost ratio benefit
9. Minimum Support Prices	25. Relation between Stock Price Index and Economic Health of Nation
10. Waste Management in India – Need of the hour	26. Minimum Wage Rate – approach and Application
11. Digital India – Step towards the future	27. Rain Water Harvesting – a solution to water crises
12. Vertical Farming – an alternate way	28. Silk Route – Revival of the past
13. Make in India – The way ahead	29. Bumper Production – Boon or Ban for the farmer
14. Rise of Concrete Jungle – Trend Analysis	30. Organic Farming – Back to the Nature
15. Any other newspaper article related to and its evaluation on basis of economic principles	

MATHS

- If $[-x \quad 2] \begin{bmatrix} 3 \\ 4 \end{bmatrix} = [2]$ then value of x is
- Find the minor of $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$
- For any 2×2 square matrix, $A(\text{adj}A) = \begin{bmatrix} -8 & 0 \\ 0 & -8 \end{bmatrix}$, then write the value of $|A|$
- If A is a skew-symmetric matrix of order 3, then prove that diagonal element is always 0.
- Using cofactor of second row. Evaluate $\begin{vmatrix} 2 & 1 & 0 \\ 1 & 0 & 2 \\ 0 & 3 & 1 \end{vmatrix}$.
- If the points $(2, -3), (k, -1), (0, 4)$ are collinear, find the value of k .
- Find inverse of the matrix.

$\begin{bmatrix} 2 & 1 & 3 \\ 4 & -1 & 0 \\ -7 & 2 & 1 \end{bmatrix}$	$\begin{bmatrix} 1 & 6 & 7 \\ -1 & 2 & 5 \\ 3 & -7 & 6 \end{bmatrix}$
$\begin{bmatrix} 1 & -2 & 0 \end{bmatrix}$	$\begin{bmatrix} 7 & 2 & -6 \end{bmatrix}$

8. if $A = \begin{bmatrix} 2 & 1 & 3 \\ 0 & -2 & 1 \\ 1 & 2 & 0 \end{bmatrix}$, $B = \begin{bmatrix} -2 & 1 & -3 \\ -4 & 2 & 5 \end{bmatrix}$. Find AB . Hence solve the system of linear equation
 $x - 2y = 10$, $2x + y + 3z = 8$, $-2y + z = 7$.
9. If $A = \begin{bmatrix} -2 & -1 & -2 \\ 0 & -1 & 1 \end{bmatrix}$. Find A^{-1} , Using A^{-1} solve the system of linear equation
 $x - 2y = 10$, $2x - y - z = 8$, $-2y + z = 7$.

COMPUTER SCIENCE

IN Practical/Report file: (Minimum 25 Python programs. Out of this at least 4 programs should send SQL commands to a database and retrieve the result and 15 SQL queries must be included)

INFORMATION PRACTICES

Complete practical file

In Practical file (minimum 20 programs based on Pandas, 4 based on Matplotlib and 15 SQL queries must be included)

PHYSICAL EDUCATION

1. Prepare a project on:

Any physical activity is better than none!!! - Importance of physical activities during Covid-19 pandemic.

2. Prepare a project on any one game of your choice:

- | | | | |
|---------------|-------------|------------|------------|
| 1. Basketball | 2. Football | 3. Kabaddi | 4. Kho-Kho |
| 5. Volleyball | 6. Handball | 7. Hockey | 8. Cricket |

(It should include:

- A. History, Labelled diagram of field and equipments, Rules and Regulations of the game
Terminologies, Skills, Technique of playing, Sport personalities of the game.
- B. Physical Fitness Test
 - * Meaning of motor fitness
 - * AAPER TEST (Pg no. 158-160)
- * BARROW THREE ITEM GENERAL MOTOR ABILITY TEST (Pg no: 163-164)
 - C. Rules of track and field events:
 - * Fundamental skills of Shot put
 - * Fundamental skills of Long jump
 - * Fundamental skills of Triple jump
 - * Fundamental skills of Broad jump
 - D. Sports Injuries
 - * Types of fracture
 - E. Asanas related to each lifestyle diseases (Procedures, benefits and contraindications of any two asanas for each lifestyle diseases)

Note :- The total length of project will be 80 to 90 pages.

The project should be handwritten.

The project should be presented in a neat folder:-

- **The cover page should include the title of the project, student information, school and year.**
- **list of contents**
- **Acknowledge and preface**
- **introduction**
- **Topic with suitable heading**

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