

St. Mary's School, Dwarka
Holiday Homework
Class XII
Week 4
Worksheet 4

Subject: English

M.M-25

Q1. Read the following passage carefully.

1. Faith in progress is deep within our culture. We have been taught to believe that our lives are better than the lives of those who came before us. The ideology of modern economics suggests that material progress has yielded enhanced satisfaction and well-being. But much of our confidence about our own well-being comes from the assumption that our lives are easier than those of earlier generations.
2. The lives of the so-called primitive peoples are thought to have been harsh-their existence dominated by the incessant quest for food. In fact, primitives did very little work. By contemporary standards, we'd have to judge them as very lazy.
3. The key to understanding why these 'stone-age people' failed to act like us-increasing their work effort to get more things-is that they had limited desires. In the race between wanting and having, they had kept their wanting low and, in this way, ensured their own kind of satisfaction. They were materially poor by contemporary standards, but in at least one dimension-time- we have to count them richer.

Based on the understanding of the passage, answer the questions given below: (1x5=5)

- a) What is the basis for progress and growth according to the writer?
- b) What does the writer attribute to modern economics?
- c) What is the writer's image of the primitive people?
- d) What is the key to understanding the primitive peoples' behaviour according to the passage?
- e) How does the writer appreciate the primitives?

Q2. Moon Light Public School, Delhi is organizing a one-act play competition, in the month of June, in the school auditorium. You have decided to invite noted stage artiste, Saranya Marar to grace the occasion and be the chief Guest. Write a formal invitation(letter) to her in 50 words. You are Kavita/Kanav, the Cultural Secretary of your School. (3)

Q3. Watch the movie ‘The Invisible Man’ and write a review in 200 words. Include a description of the main characters, plot, theme, and your learning experience.

(5)

Q4. Read the extracts given below and answer the questions that follow.

(1x6=6)

I. “I know nothing except bangles. All I have done is to make a house for the family to live in”.

- a) Who is the speaker here?
- b) What does he mean by ‘I know nothing except bangle’?
- c) What does he consider it as his greatest accomplishment?

II.but all I said was, see you soon,

Amma,

all I did was smile and smile and

Smile.....

- a) What does the repeated use of the word ‘smile’ mean?
- b) The poet’s repeated smile seems to be out of place in a way. In which way is it appropriate?
- c) Why did the poet not share her concerns and worries with her mother, at parting time?

Q5. Answer the following questions in 30-40 words each.

(2x3=6)

- a) What does the phrase ‘familiar ache’ mean?
- b) How does M. Hamel pay tribute to the French language?
- c) Franz thinks, “will they make them sing in German, even the pigeons?” What could this mean?

Subject – Mathematics

Q1. If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$, show that $A^2 - 5A + 7I_2 = O$

Q2. If $A = \begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix}$, $f(x) = x^2 - 2x - 3$, show that $f(A) = O$

Q3. If $A = \begin{bmatrix} -1 \\ 2 \\ 3 \end{bmatrix}$ and $B = \begin{bmatrix} -2 & -1 & -4 \end{bmatrix}$, verify that $(AB)^T = B^T A^T$.

Q4. If $A = \begin{bmatrix} \cos \alpha & \sin \alpha \\ -\sin \alpha & \cos \alpha \end{bmatrix}$, then verify that $A^T A = I_2$.

Q5. Express the matrix $A = \begin{bmatrix} 3 & 2 & 3 \\ 4 & 5 & 3 \\ 2 & 4 & 5 \end{bmatrix}$ as the sum of a symmetric and a skew-symmetric matrix.

CASE STUDY:

A manufacturer produces three stationery products Pencil, Eraser and Sharpener which he sells in two markets. Annual sales are indicated below:



Market	Products (in numbers)		
	<u>Pencil</u>	<u>Eraser</u>	<u>Sharpener</u>
A	10,000	2000	18,000
B	6000	20,000	8000

If the unit Sale price of Pencil, Eraser and Sharpener are Rs. 2.50, Rs. 1.50 and Rs. 1.00 respectively, and unit cost of the above three commodities are Rs. 2.00, Rs. 1.00 and Rs. 0.50 respectively, then –

Based on the above information answer the following:

1. Total revenue of market A
 - a. Rs. 64,000
 - b. Rs. 60,400
 - c. Rs. 46,000
 - d. Rs. 40600
2. Total revenue of market B
 - a. Rs. 35,000
 - b. Rs. 53,000
 - c. Rs. 50,300
 - d. Rs. 30,500
3. Cost incurred in market A
 - a. Rs. 13,000
 - b. Rs.30,100
 - c. Rs. 10,300
 - d. Rs. 31,000
4. Profit in market A and B respectively are
 - a. (Rs. 15,000, Rs. 17,000)
 - b. (Rs. 17,000, Rs. 15,000)
 - c. (Rs. 51,000, Rs. 71,000)
 - d. (Rs. 10,000, Rs. 20,000)
5. Gross profit in both market
 - a. Rs.23,000
 - b. Rs. 20,300
 - c. Rs. 32,000
 - d. Rs. 30,200

Subject – Economics

- Q1. Explain the role of the Suez Canal in intensifying British control over India's foreign trade. (2)
- Q2. What happens in the first stage of demographic transition? (2)
- Q3. Why are death rates so high in the first stage of demographic transition? (2)
- Q4. State in brief, the demographic profile of India under British rule. (2)
- Q5. "The real motive behind infrastructural development in India was not to provide basic amenities to the people but to subserve various colonial interests. Do you agree? (3)
Give reasons.
- Q6. How can you say that there were growing regional variations in the occupational structure of India during British rule? (3)
- Q7. Describe the positive impact of the British rule on Indian economy. (3)
- Q8. Briefly state the position of agriculture, industry and foreign trade on the eve of independence. (3)
- Q9. State the features of Indian economy at the time of independence. (5)
- Q10. How did the British exploit Indian agriculture sector? (5)

Guidelines for Project Work in Economics (Class XII)

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 economic 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 • project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written • it will be an independent, self-directed piece of study

Scope of the project: Learners may work upon the following lines as a suggested flow chart: Choose a title/topic

Collection of the research material/data

Organization of material/data

Present material/data

Analysing the material/data for conclusion

Draw the relevant conclusion

Presentation of the Project Work 11 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.

Suggestive List of Projects: • Micro and Small Scale Industries • Food Supply Channel in India • Contemporary Employment situation in India • Disinvestment policy of the government • Goods and Services Tax Act and its Impact on GDP • Health Expenditure (of any state) • Human Development Index • Inclusive Growth Strategy • Self-help group • Trends in Credit availability in India • Monetary policy committee and its functions • Role of RBI in Control of Credit • Government Budget & its Components • Trends in budgetary condition of India • Exchange Rate determination – Methods and Techniques • Currency War – reasons and repercussions • Livestock – Backbone of Rural India • Alternate fuel – types and importance • Sarwa Shiksha Abhiyan – Cost Ratio Benefits • Golden Quadrilateral- Cost ratio benefit • Minimum Support Prices • Relation between Stock Price Index and Economic Health of Nation • Waste Management in India – Need of the hour • Minimum Wage Rate – approach and Application • Digital India- Step towards the future • Rain Water Harvesting – a solution to water crises • Vertical Farming – an alternate way • Silk Route- Revival of the past • Make in India – The way ahead • Bumper Production- Boon or Bane for the farmer • Rise of Concrete Jungle- Trend Analysis • Organic Farming – Back to the Nature • Any other newspaper article and its evaluation on basis of economic principles • Any other topic

Subject – Psychology

- Q1. Define self. (1)
- Q2. In value assessment we try to determine the _____ values of a person. (1)
- Q3. Define personality. (2)
- Q4. People who are confident, can solve problems, confront the things that frighten them (2)
- and nurture themselves are all qualities of which Behavioural aspect of self. Write a note on it.
- Q5. Rita is learning music. Many times, she has to miss her favourite serial as she has to go (3)
- for music classes. Also, she wakes up early to practice despite her love her sleep. Which (3)
- concept from the chapter self and personality can you link to this situation?
- Q6. Which concept of self is based on Bandura's social learning theory? Write a note on it. (3)
- Q7. If a psychologist is evaluating you by asking your response to ink blots, which form of (4)
- assessment is the psychologist using? List any two features of this form of assessment.
- Q8. Is there difference between self-actualization and a fully functioning individual? (4)
- Support your answer with the help of examples.
- Q9. Distinguish between type and trait approach of personality. Give suitable examples. (5)
- Q10. What is meant by delay in gratification? Discuss the technique used for self-control. (5)

Subject – History

1. How was Buddha's presence shown through symbols? Give two examples. (1)
2. Discuss the Role of the begums of Bhopal in preserving the stupa of Sanchi. (3)
3. Describe the unique features of the early temples. (3)
4. Critically examine why Sanchi survived while Amaravati did not? (3)

Project Work

20 marks

OBJECTIVES

Project work will help students:

- To develop skill to gather data from a variety of sources, investigate diverse view points and arrive at logical deductions.
- To develop skill to comprehend, analyze, interpret, evaluate historical evidence and understand the limitation of historical evidence.
- To develop 21st century managerial skills of co-ordination, self-direction and time management.
- To learn to work on diverse cultures, races, religions and lifestyles.
- To learn through constructivism-a theory based on observation and scientific study.
- To inculcate a spirit of inquiry and research.
- To communicate data in the most appropriate form using a variety of techniques.
- To provide greater opportunity for interaction and exploration.
- To understand contemporary issues in context to our past.
- To develop a global perspective and an international outlook.
- To grow into caring, sensitive individuals capable of making informed, intelligent and independent choices.
- To develop lasting interest in history discipline.

GUIDELINES:

- I. Students should prepare project of about 45-50 pages for CBSE assessment. The project should be
- II. prepared according to the guidelines already issued in class.

The project should include the following sections:

1. Cover page- Displaying the topic.
2. Acknowledgement – Thanking the people or institution that has helped you in completion of your project.
3. Certificate- Mentioning your name and the name of teacher under whose supervision you have completed your work.
4. Index- Giving the list of contents with page numbers.
5. Introduction- Giving the purpose and importance of a study.
6. Chapters- Give a title to each chapter along with details and pictures.
7. Conclusion- What do you learn from your study?

8. Bibliography- Showing the sources from where you have gathered information.

Present the following in your project report:

- a. Data/Statistical Analysis/Map work
- b. Analysis/Explanation and interpretation
- c. Bibliography

ASSESSMENT

Allocation of Marks (20)

The marks will be allocated under the following heads:

Project Synopsis	2 Marks
Timeline/explanation and interpretation /Map work	5 Marks
Visual/overall presentation	4 Marks
Analysis/ Data/Statistical analysis	4 Marks
Bibliography	1 Mark
Viva	4 Marks
Total	20 Marks

Projects should be in groups only. Students can use primary as well as secondary sources for the research work.

Choose any one of the following topics:

- i. Harappa Civilization - Town planning and artefacts
- ii. Mahabharata through the eyes of a reader.
- iii. Buddhism – Path to enlightenment
- iv. Jainism.
- v. India -Through the Eyes of Travellers - Al-Biruni, Ibn Battuta and Bernier
- vi. Understanding the Bhakti and Sufi Movement in India
- vii. Life of Mughal through paintings
- viii. Glimpses inside Mughals Imperials Household
- ix. Divine Apostle of Guru Nanak Dev
- x. The ‘Brahm Nirupam’ of Kabir – A journey to Ultimate Reality
- xi. The Partition of India in 1947
- xii. Capital city – Hampi
- xiii. Revolt of 1857- Vision of unity behind the first war of Independence
- xiv. Colonial Cities-Bombay, Madras and Calcutta
- xv. Mahatama Gandhi and National movement.
- xvi. The process behind the framing of the Indian Constitution.

Subject – Geography

- Q1 Which was the first economic activity carried out by human beings? (1)
- Q2 What do you understand by the term Transhumance activity? (1)
- Q3 What are the scientific basis of rearing in ranches? (1)
- Q4 Maintenance of soil fertility is an important feature in mixed farming discuss. (3)
- Q5 Market gardening and Horticulture is considered both labour and capital intensive. (3)
Discuss.
- Q6 Why do in the developed economies are retreating from mining? (3)
- Q7 What is the importance of 'dairy farming'? Why is it mainly practised near urban (3)
and industrial centres of the world? Explain any two reasons. (3)
- Q8 Define the term "mixed farming. Explain any four characteristics of mixed (5)
farming practised in the world.
- Q9 Distinguish between Subsistence and Commercial Agriculture. (5)
- Q10 Describe the development of commercial grazing in different types of grasslands. (5)

Subject – Political Science

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|------|---|-----|
| Q.1 | State two arenas of Cold War along with example of each. | (2) |
| Q.2 | What is Globalisation? | (2) |
| Q.3 | Mention the kinds of reforms that the UN is facing today. | (2) |
| Q.4 | What is security? | (2) |
| Q.5 | Which two republics had violent secessionist movements in Russia? | (3) |
| Q.6 | What is NATO and when it was established? | (3) |
| Q.7 | What do you understand by the 'bandwagon' strategy? | (3) |
| Q.8 | What are the objectives of ASEAN Economic Community? | (3) |
| Q.9 | Write a short note on Belgrade summit. | (5) |
| Q.10 | Describe arm control treaties. | (5) |

Subject – Physical Education

1. The percentage of water in normal human body is (1)
(a) 40–50 (b) 60–70
(c) 70–80 (d) 80–90
2. Which nutrient provides more than double energy provided by carbohydrate in human body? (1)
(a) Vitamin (b) Minerals
(c) Fats (d) Starch
3. Which nutrient helps our body to fight against infections? (1)
(a) Carbohydrate (b) Protein
(c) Starch (d) Fats
4. is essential for the formation of haemoglobin in blood. (1)
(a) Sodium (b) Calcium
(c) Iron (d) Phosphorous
5. What do you mean by specific sports programmes? Explain about health runs and run for unity in detail. (5)
6. Explain the various objective of Extramurals.. (5)
7. While specifying all calculations, prepare a 'knock-out fixture' for 21 teams. (5)
8. Draw a knock-out fixture of 21 teams mentioning all the steps involved. (5)
9. Being the captain of the school, prepare five important committees with their responsibilities conduct one day run for health race. (5)
10. What is the role of various elements of diet on performance of an athlete? (5)