



GARIMA VIDYA VIHAR SR. SEC. SCHOOL

SUMMER ASSIGNMENT (2024-25)

Grade : XII



Subject- English

1. Select any one of the given topic for your English project.

You have studied 'The Last Lesson' by Alphonse Daudet. Its theme is linguistic chauvinism of the proud conquerors and the pain that is inflicted on people of a territory annexed by them. On the other hand it reflects national pride, the value of education, and how for certain people, receiving an education is a privilege. The moral of the story is to never take your education for granted. Based on your understanding of the lesson and the problems mentioned in it make a project titled 'The importance of language, culture, and the impact of war on education'.

Include the following sub-headings:

- Definition of education and war and its relevance
- Contribution and effects respectively on social and economic development
- Effect on economy
- Important international treaties and its impacts
- Role of education in prevention and elimination of wars
- Any 1 war that affected the social and economical aspects of any country– Make a case study (800 - 1000 words) and furnish all details along with the statistics. Make the project attractive by using pictures.

2. Figures of Speech/Literary Devices/Poetic Devices enhance the beauty of the writing. It makes the sentence deeper and leaves the reader with a sense of wonder. It brings life to the words used by the writer/poet/lyricist/author/novelist/essayist etc. The figures of speech not only shows the writer's intent but also his purpose in using such language.

Write the definitions of the following figures of speech using five examples of each used by great writers or poets in their literary works:

- | | |
|--------------------|-------------------------|
| 1. Simile | 11. Irony |
| 2. Metaphor | 12. Pun |
| 3. Personification | 13. Refrain |
| 4. Alliteration | 14. Rhyming Scheme |
| 5. Repetition | 15. Transferred Epithet |
| 6. Onomatopoeia | |
| 7. Assonance | |
| 8. Consonance | |
| 9. Hyperbole | |
| 10. Oxymoron | |

Make the project attractive by using pictures.

Subject- Chemistry

1. Gases tend to be less soluble in liquids as the temperature is raised.
2. Differentiate ideal solution and non- ideal solutions.

3. What is reverse osmosis? Give its importance.
4. What are colligative properties, write their types.
5. Explain a zoetrope's with one example of with graph.
6. Explain Raoult's Law for volatile solute with graph.
7. What will be the mole fraction of water in C_2H_5OH
8. Under what condition the value of van't Hoff factor is less than 1.
9. Define – (i) Molarity (ii) Normality (iii) Molality (iv) PPM
10. Prove- (i) $\Delta T_b = K_b$ (ii) $[T_f = K_f]$

Subject- Physics

1. Compare properties of electric charge with those of mass of body.
2. How does speed of an electrically charged particles affect its (i) mass (ii) charge
3. Define permittivity of a medium and dielectric constant.
4. A thin semicircular ring of radius a is charged uniformly and the charge per unit length is field at its centre find the electric?
5. A positive point charge is kept in the vicinity of an uncharged conducting plate. Sketch electric field lines originating from the point charge on to the surface of the plate.
6. Match the Column.

(a) E is independent of r (b) $E \propto \frac{1}{r}$ (c) $E \propto \frac{1}{r^2}$ (d) $E \propto \frac{1}{r^3}$	(p) For a point charge (q) For a short dipole (r) For a line charge (s) For a plane charge
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Subject- Computer Science

1. State the output:

(1) `>>> d = b`
`>>> d`
`>>> b`
`>>> id (d)`
`>>> id (b)`

(2) `>>> a = "Hello"`
`>>> a * 10`

(3) `S = 'Python rocks '`
`for Ch in S [3 : 8] :`
`print (" Hello ")`

(4) `from random import shuffle`
`Color = [' Red ', ' Green ', ' white ', ' Black ', ' Pink ', ' Yellow ']`
`Shuffle (Color) print (Color)`

(5) `print ("Xyyzxyzxzy".Count) ('YY', 1)`

2. Rewrite the following code in python after removing all syntax error(s).

```
30 = TO
For K in Range (O, To)
If K % 4 == 0
Print (K * 4)
Else: Print (K + 3)
```

3. What are the similarities between Strings lists?
4. What all components of a Python programme contain?
5. Write a Python Programme to calculate the of a String.

विषय – हिन्दी

1. भक्तिन की बेटी के मामले में जिस तरह का फैसला पंचायत ने सुनाया वह आज भी कोई हैरतअंगेज बात नहीं है। अखबारों या टी .वी समाचारों में आने वाली किसी ऐसी ही घटना को भक्तिन के उस प्रसंग के साथ रखकर उसका वर्णन कीजिए।
2. अपने घर और विद्यालय के आस – पास हो रहे उन बदलावों के बारे में लिखें जो सुविधाजनक और आधुनिक होते हुए भी बुजुर्गों को अच्छे नहीं लगते। अच्छा न लगने के क्या कारण होंगे ?

Subject- Business Studies

1. Make a file on the given topics with example.
 - (i) Marketing Management
 - (ii) Principles of Management
 - (iii) Consumer Rights
2. Write the history of any company and explain their planning. How did they start their business along with their present planning (all things). Analyse it and explain in details.

Subject- E- ship

1. Go to any neighbours company, survey their start-up, collect the data (meet with the employees, click the photos) Analyse it. Put all the data on the file and make the questionnaires.
2. Explain the entrepreneurship process with a suitable example and present it in a file.

Subject- Mathematics

1. To find an Inverse of a function let every x be y and every y be x , then solve the equation for Y .
2. For a function to have an inverse it has to be one to one. One X for one Y value, and one Y for one X value. It will pass the vertical and the horizontal line test.
3. To Verify that the Relation R in the set of all lines in a plane defined by $R = \{E (l, M) : (l, M) \text{ is symmetric but neither Reflexive nor transitive.}\}$
4. To draw the Graph of $\sin^{-1} x$, using the graph of $\sin X$ and demonstrate the Concept of Mirror Reflection (About the line $Y=X$)

Subject- IP

1. What type of network would you suggest for following type of requirements of an organization and explain it.
 - (a) Around 200 computers in two different buildings adjacent to one another be connected.
 - (b) The cost of network should not be very high.
 - (c) It should be fairly easy to implement
2. Evaluate Various 'LAN' technologies available in the market.
3. Critically evaluate the suitability of network, component in term of security, scalability and availability.
4. What do you mean by protocols? Give the name of those protocols which help web and explain working of those protocols.
5. What are Cyber laws? Who is responsible for the generation and hosting of these laws? Name some Indians and International Cyber law?

Subject: Accountancy

- 1) Amit has provided a capital of 50,000 whereas Vinod had provided 10,000 only as capital. Vinod however has provided 20,000 as loan to the firm. There is no partnership agreement. Vinod claims interest of 1,200 whereas you and Amit do not want to give any interest. State giving reason who is correct in this.
- 2) A and B are partners sharing profits in the ratio of 3:2 with capitals of 50,000 and 30,000 respectively. Interest on capital is agreed @ 6% p.a. B is to be allowed an annual salary 2,500. During 2011-12 the profits of the year prior to calculation of interest on capital but a charging B's salary amounted to 12,500. A provision of 5% of the profits is to be made respect of manager's commission. Prepare an account showing the allocation of profits partners' capital accounts.
- 3) Murari and Vohra were partners in a firm with capital of 1,20,000 and 1,60,000 respectively. On 1st April 2013 they admitted Yadav as a partner for one-fourth share in profits on his payment of 2,00,000 as his capital and 90,000 for his one-fourth share of goodwill. On that date the creditors of Murari and Vohra were 60,000 and Bank overdraft was 15,000 Their Assets apart from Cash included Stock 10,000; Debtors 40,000, Plant and Machinery 8 Land and Building 2,00,000. It was agreed that Stock should be depreciated by 2,000, Plant Machinery by 20%, 5,000 should be written off as bad debts and Land and Building should be appreciated by 25%. Required: Prepare the Revaluation Account, Capital Accounts of P and the Balance Sheet.
- 5) Prepare journal, Ledger and Trial Balance of transactions you have seen in any business (Minimum 20 transactions).

Note-Maintain separate copy for this assignment

Subject: Biology

1. Draw a chart of life phases in organisms.
2. Why is reproduction essential for organisms?
3. Why is offspring formed by asexual reproduction referred to as clones?
4. Differentiate sexual and asexual reproduction.
5. With a neat labelled diagram describe the parts of a typical angiosperm ovule.
6. What is meant by monosporic development of female gametophytes?
7. What is self-incompatibility? Why does self-pollination not lead to seed formation in self-incompatible species?
8. Differentiate- (a) Hypocotyls and epicotyls
(b) Coleoptile & Coleorhiza
(c) Perisperm & Pericarp
9. Write note on- (i) Emasculation
(ii) Bagging
(iii) Tagging

Subject: AI

1. Make a poster to depict Teacher Student Conversation using the acronym RESPECT. Display the poster in the Classroom.
2. Describe what is Your 'Spark /Passion'. Do you know someone who is complete into their 'Spark/Passion'? Describe what do you see?
3. Select anyone of the following situation and discuss the personality disorders associated with the situation.

(a) Sunita Works in a Company. She disregards the rules set by the Company, Is irritable and does not talk much with either friends Or Family.

(b) Arun has been Feeling Fearful and empty for the last few days. He even tried harm himself.

4. Make a poster of different types of Personality disorders with examples.

Subject: Economics

Q.1 Explain the concept of a fiscal deficit in a government budget and its implications

Q.2 What was the Union Budget for the year 2023-24?

Q. 3 From the given information, determine the following

(a) Capital expenditure

(b) Total expenditure

(c) Interest Payments

Particular	(Rs in Crores)
Fiscal deficit	12,000
Revenue deficit	9,000
Primary deficit	5,000
Revenue receipts	6,000
Non- debt Capital receipts	10,000

CASE STUDY-1 Read the following hypothetical text and answer the given questions:-

GDP growth is the central objective of government budgetary policy. It is achieved in two ways: (i) by Making public investment expenditure, and (ii) by including private investment expenditure (through Tax rebates and subsidies)

Allocation of Resources: Private enterprises will always desire to allocate resources to those areas of production where profits are high. However, it is possible that such areas of production (like production alcohol) may not promote social welfare. Through its budgetary policy, the government of a country directs the allocation of resources in a manner. Such that there is a balance between the goals of profit maximization and social welfare. Production of goods which are injurious to health (like cigarettes and whisky) is discouraged through heavy taxation. On the other hand, production of 'Socially Useful goods' (like ' Khari') is encouraged through subsidies.

1. Public enterprises will always desire to allocate resources to those areas of production, where-

- a. Profits are high
- b. Cost is low
- c. Social welfare is high
- d. Revenue is high

2. GDP growth is the Central objective of government budgetary policy.

- a. True
- b. False

3. Suitable title for the passage.

- a. GDP
- b. Private enterprises
- c. Subsidies
- d. Government Budget

CASE STUDY-2 Read the following hypothetical text and answer the given questions:-

Public expenditure accelerates the pace of GDP growth. Higher rate of GDP growth is achieved through (a) investment expenditure in public sector enterprises, (b) capital grants by the government for the purchase of inputs, and (d) purchase of farm output at the minimum support price. Public expenditure promotes equality in the distribution of income and wealth this is achieved by offering old-age pensions, as well as by providing free food, education, and health services to the Below Poverty Line Population. Public expenditure plays a significant role in restoring economic stability. Particularly, when the economy is battling economic recession. The government expenditure (Consumption expenditure as well as (investment- friendly environment in the economic recession is broken. Public when AD is raised that the Vicious circle of economic recession is broken. Public expenditure generates investment- friendly Environment in the economy. The government spends money on infrastructural development. It Constructs roads, dams, bridges.it introduces faster and convenient means of transportation. Such Facilities promote inducement to investment. Briefly, public expenditure is indispensable in any welfare State like India. It not only promotes GDP growth, but also promotes social welfare.

1. The Construction of roads, dams, bridges is called
 - a. Social development
 - b. Infrastructure development
 - c. Industrial development
 - d. Agrarial development

2. The government expenditure does not raise the level of AD
 - a. True
 - b. False

3. Read the following statement

Assertion (A): Public expenditure generates –friendly environment in the economy.

Reason (R) : It raises the infrastructural development in the economy.

- a. Both Assertion (A) and Reason (R) are true.
 - b. Both Assertion (A) and Reason (R) are false.
 - c. Assertion (A) is true and Reason (R) is false.
 - d. Assertion (A) is false and Reason (R) is true.
4. Which is included in the non- transfer income
 - a. Old age pension
 - b. Subsidies
 - c. Retirement pension
 - d. Scholarship

Subject: Physical Education

Planning Sports

- Q.1 What do you mean by knockout tournament? Draw the fixture of 19 teams on knockout basis?
- Q.2 Briefly explains the significance of Extramural Competitions?
- Q.3 Briefly explains the Objectives of intramurals?
- Q.4 What do you mean by combination tournament?
- Q.5 Briefly mentions the advantages of league tournament?
- Q.6 What do you mean by planning?
- Q.7 What do you mean by a bye? Write is Formula?
- Q.8 What is seeding?

Children and Sports

Q.1 Briefly Discuss Flat Foot?

Q.2 Discuss the causes of Knock and Bow Legs?

Q.3 What do you mean by Gross Motor Development and Fine Motor Development?

Q.4 Elaborate three causes of bad posture?

Q.5 Discuss the Deformities of Spinal Curvature?

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