



### **IMPORTANT INSTRUCTIONS TO STUDENTS FOR WRITING ASSIGNMENTS**

1. There will be 10 questions given for writing assignments. All these questions need to be answered.
2. The Answers need to be written with a page having minimum of 20 lines.
3. A Minimum of 20 pages should be written for each subject.
4. 20 marks will be allotted for each subject and this will be added to the main examination marks.
5. If any student fails to submit the assignments, the result of that particular student will be withheld.
6. We have attached sample front page format and student has to attach the front page for each assignment.
7. A student's all separate assignments have to be combined together and Tagged and has to be submitted to the approved Academic Centres (AC) and get the acknowledgement.
8. Assignments should be hand-written only.



## IMPORTANT INSTRUCTIONS TO STUDENTS FOR WRITING ASSIGNMENTS

1. கீழே கொடுக்கப்பட்டுள்ள 10 வினாக்களுக்கும் விடையளிக்கவும்.
2. ஒவ்வொரு பக்கத்திற்கும் 20 வரிகளுக்கு குறையாமல் விடையளிக்கவும்.
3. ஒவ்வொரு பாடத்திற்கும் குறைந்தது 20 பக்கங்கள் எழுத வேண்டும்.
4. ஒவ்வொரு Assignment அதிகபட்சமாக 20 மதிப்பெண்கள் வழங்கப்படும். இந்த மதிப்பெண்கள் மொத்த மதிப்பெண்களுடன் கணக்கில் எடுத்துக் கொள்ளப்படும்.
5. மாணவர்கள் Assignment எழுதி சமர்ப்பிக்க தவறும் பட்சத்தில் தேர்வு முடிவுகள் நிறுத்தி வைக்கப்படும்.
6. இத்துடன் இணைக்கப்பட்டுள்ள முதல் பக்க மாதிரி படிவத்தை பூர்த்தி செய்து மாணவர்கள் Assignment சமர்ப்பிக்க வேண்டும்.
7. மாணவர்கள் எழுதிய அனைத்து Assignment களையும் அங்கீகரிக்கப்பட்ட பயிற்சி மையத்தில் கொடுத்து ஒப்புதல் பெற்றுக் கொள்ள வேண்டும்.
8. Assignment அனைத்தும் கையால் மட்டுமே எழுத வேண்டும்.



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## ASSIGNMENT

Student Name : \_\_\_\_\_

Roll Number : \_\_\_\_\_

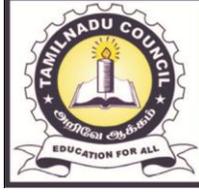
Enrollment Number: \_\_\_\_\_

Class : \_\_\_\_\_

Subject Name : \_\_\_\_\_

Subject Code: \_\_\_\_\_

Date Of Submission : \_\_\_\_\_



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### 12 -ஆம் வகுப்பு / Tamil Assignment

**அனைத்து வினாக்களுக்கும் விடையளிக்கவும்:-**

1. அறிவுடைமை என்னும் அதிகாரத்தில் தெரிவிக்கப்பெற்றுள்ள கருத்துகளைத் தொகுத்து எழுதுக.
2. கண்ணகியின் சூளுரையும் நகர் மாந்தர் மயங்கிக் கூறுவன யாவை?
3. இயல், இசை, நாடகம் என்ற முத்தமிழ் வகைமை குறித்துப் பரிமாற் கலைஞர் உரைப்பன யாவை?
4. குழந்தை தொழிலாளர் அவநிலையை கவிஞர் அப்துல் ரகுமான் கூறுமாறு தொகுத்து வரைக.
5. மனித வாழ்வே பெரியது என்னும் அடிப்படையில் மு. வ உரைக்கும் எதிர்காலக் கனவு யாது?
6. பால்வண்ணம் பிள்ளை என்னும் சிறுகதையின் கருப்பொருளும் சுவையும் குன்றாமல் சுருக்கி வரைக.
7. பழிக்குப் பழி என்னும் என்னும் சிறுகதையில் நும்மனம் கவர்ந்த கதை மாந்தர் குறித்துத் திறனாய்வு செய்க.
8. இராசராச சோழனின் வில், வாள், முரசு, கொடி குறித்துக் கூறப்பட்டன யாவை?
9. மூலையில் கிடக்கும் வாலிபனிடம் தாராபாரதி கூறும் அறிவுரைகளைத் தொகுத்து எழுதுக.
10. கோயிற் கட்டடக் கலை பற்றி விளக்கி வரைக.



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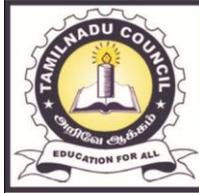
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### 12<sup>TH</sup> Std / English Assignment

**Answer the all questions briefly.**

1. Write an essay – Gandhiji, The ceaseless crusader.
2. The aftermath of atomization on Hiroshima.
3. What prompted Samuel Johnson to write a dictionary of the English language?
4. Write an essay- Gunga Ram's Kala Nag.
5. Compare and contrast the speeches of Brutus and Mark Antony.
6. A). Bring out the message of the poem 'The man he killed'  
B). How does the poet compare the human soul to the spider?
7. A). In the poem 'A Psalm of life' what do the lives of great men teach us?  
B). Describe the reaction of the poet D.H Lawrence to the snake's visit.
8. Write an essay – The trekking experience of the author.
9. Letter writing: Application for the post of a receptionist.
10. Write a general essay: The place of computers in modern world.



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### XII – Std / Accountancy Assignment

Answer the all questions briefly.

1. From the following particulars of Mrs.sulochana, prepare trading and profit and loss account and balance sheet for the year ending 31<sup>st</sup> march, 2004.

(Trial balance)

Particular	Credit Rs.	Debit Rs.
Capital		7,50,000
Cash	40,000	
Buildings	4,00,000	
Salary	1,10,000	
Rent and taxes	21,000	
Opening stock	1,20,000	
Machinery	1,20,000	
Drawings	40,000	
Purchase	5,00,000	
Sales		7,50,000
Carriage inwards	5,000	
Fuel, gas	37,000	
Sundry debtor's	2,50,000	
Sundry creditor's		1,20,000
Bills receivable	53,000	
Loan		60,000
Dividend		28,000
Bad debts	2,000	
Advertisement	16,000	
Commission received		6,000
	-----	-----
	17,14,000	17,14,000
	-----	-----

Adjustments:-

- i) Closing stock Rs. 1,40,000
  - ii) Write off depreciation on buildings @ 10% p.a .
  - iii) Provide interest on capital @ 10% p.a.
  - iv) Commission received in advance Rs. 1,000
  - v) prepaid salary Rs.10,000
2. Prepare a cash budget for the month of March, April and May 2005 from the following information.

Month	Credit purchases	Credit sales	Administration and selling expenses
	Rs.	Rs.	Rs.
January	75,000	1,50,000	1,20,000
February	1,00,000	1,35,000	1,35,000
March	85,000	1,75,000	65,000
April	1,25,000	1,20,000	70,000
May	90,000	1,40,000	80,000

- a) Expected cash balance on 1-03-2005 is Rs.80,000
- b) Suppliers allowed a credit period of two month.
- c) A credit period of one month is allowed to customers.
- d) Expenses are paid in the same month.
- e) Sale of fixed assets Rs. 25,000 in April.

3. The following are the balance sheet of Pandian, Pallavan and Chozan sharing profits and losses in the proportion of  $\frac{1}{2}$ ,  $\frac{1}{3}$ , and  $\frac{1}{6}$  respectively as on 31-12-2004.

Liabilities	Rs.	Assets	Rs.
Sundry creditor's	94,500	Cash	10,000
Bills payable	31,500	Bank	1,20,000
Reserve fund	1,20,000	Land & building	2,50,000
Outstanding Expenses	4,000	Stock	1,45,000
		Debtor's	1,30,000
	-----		-----
	6,90,000		6,90,000
	-----		-----

They decided to admit Charan into the partnership with effect from 1<sup>st</sup> January, 2005 on the following terms:

- Charan should bring in Rs. 80,000 as his capital for  $\frac{1}{4}$  share of profits.
- Furniture be depreciated by Rs. 3,500
- Stock be depreciated by 10%.
- The value of land and buildings having appreciated be brought up to Rs. 3,25,000.

Show revaluation account, capital accounts and the balance sheet of the reconstituted partnership.

- Define depreciation. What are the reasons for providing depreciation?
- From the following balance sheet calculate:
  - Current ratio
  - Liquid ratio
  - Debt – equity ratio
  - Proprietary ratio

Balance sheet as on 31-03-2010

Liabilities	Rs. □	Assets	Rs. □
Share capital	1,40,000	Fixed assets	1,30,000
Reserves	10,000	Stock	30,000
Loans	75,000	Debtors	60,000
Creditor's	50,000	Bills receivable	20,000
Bank overdraft	10,000	Cash	10,000
		Goodwill	35,000
	2,85,000		2,85,000

6. Susan grace ltd, issued 20,000 shares of Rs. 100 cash at Rs. 120 Payable

As follows:-

On application Rs. 25

On allotment Rs. 45 ( including premium Rs. 20)

On first call Rs. 25 On final call Rs. 25

All the shares are fully subscribed. Both the calls were made and all

The money were duly received. Pass journal entries prepare bank account , share capital, account, securities premium account and balance sheet.

7. The following are the balance extracted from the books of Mr. Udhaya kumar as on 31.3.1998. Prepare Trading and Profit and Loss Account and the Balance sheet as on 31.3.1998.

Debit Balance	Rs.	Credit Balance	Rs.
Drawings	40,000	Capital	2,00,000
Cash at Bank	17,000	Sales	1,60,000
Wages	65,000	Sundry Creditors	45,000
Purchases	10,000		
Stock(01.04.1997)	20,000		
Buildings	60,000		
Sundry Debtors	1,00,000		
Bill receivable	44,000		
Rent	29,000		
Commission	4,500		
General expenses	2,500		
Furniture	8,000		
	5,000		
	4,05,000		4,05,000

The following Adjustments are to be made:

- a) Stock on 31.30.1998 was Rs.40,000
- b) Interest on Capital at 6% to be Provided.
- c) Interest on Drawings at 5% to be Provided.
- d) Wages yet to be Paid Rs. 1,000
- e) Rent Prepaid Rs. 500.

8. What is meant by Cash Budget? Mention its Advantages. List the method that can be used for the Preparation of the Cash Budget.

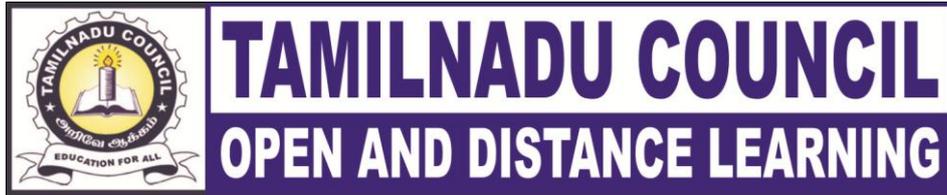
9. Surya Ltd. Provides the following information for the year ending 31.3.2006. Calculate Gross Profit ratio, Net Profit ratio, Operating Profit ratio and Operating ratio.

Particulars	Rs.	Particulars	Rs.
Sales	6,000	Gross profit	4,000
Office expenses	3,000	Selling expenses	1,500
Finance expenses	500	Loss on sale of Plant	66,000
Interest received	2,00,000	Net Profit	80,000

10. The Trial Balance shows on 31.3.2011. Sundry debtors Rs.1,25,000

**Adjustment:**

- a) Bad debts to be written off Rs.5,000
- b) Provide @ 5% Provision for bad and doubtful debts and
- c) Provide @ 5% Provision for discount on debtors. Pass adjustment entries and show how these items will appear in the Final Accounts.



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**XII – Std / Commerce Assignment**

**Answer the all questions briefly.**

1. Explain the position of minor in the partnership firm.
2. Describe briefly any five type of business organization.
3. What are the contents of partnership deed?
4. Explain the features of government companies.
5. Discuss the functions and duties of the company secretary?
6. Distinguish between shares and debentures.
7. Explain any eight demerits of co-operative society.
8. Explain the role of sole trading concern in the society.
9. Enumerate the contents of a statutory report.
10. Explain the rights and duties of partners.



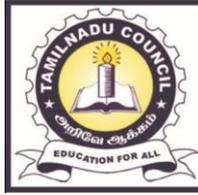
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**XII – Std / Economics Assignment**

**Answer the all questions briefly.**

1. How is the equilibrium price determine in the market period?
2. Discuss the law of demand.
3. Explain the shift in supply with a diagram.
4. Discuss Keynesian theory of internet.
5. How is the price and output determined in the short run under perfect Competition?
6. What are the main sources of tax and non- tax revenue of state government?
7. Discuss the objectives and instruments of monetary policy.
8. Explain the marginal cost with suitable illustration.
9. Define budget: Explain the balanced and unbalanced budget.
10. Explain the indifference curve approach.



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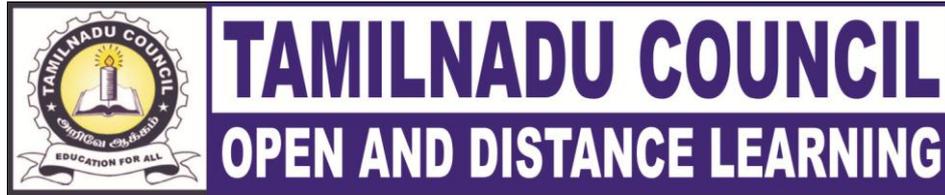
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### **XII – Std / History Assignment**

**Answer the all questions briefly.**

1. Analyse the merits and demerits of the industrial revolution.
2. Explain the process and impact of globalization.
3. Point out the main features of the subsidiary systems, its benefits to the British and its defects.
4. Examine the circumstances leading to the American war of independence.
5. Raja Rammohan roy was the father or Indian renaissance-discuss.
6. Evaluate The Impact of global terrorism.
7. Examine the causes for the revolt of 1857.
8. Examine the role of Tamil Nadu in the Indian freedom struggle.
9. Examine the causes for the rise of nationalism in India.
10. Examine the cause s for the outbreak of Vellore mutiny of 1806.



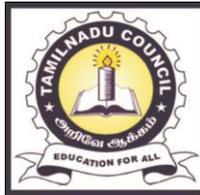
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**XII – Std / Geography Assignment**

**Answer the all questions briefly**

1. What is meant by Corals? What are its Types?
2. Explain the Geographical Factors on Trade.
3. Describe the means of Water Pollution.
4. Write an essay on the desertification and droughts in India.
5. Discuss the Water conservation techniques.
6. Discuss the Progressive and regressive age.
7. What does Coriolis force do to the Winds?
8. How do Foresters measure volume of trees the smart way?
9. Write an essay on weather maps and their Interpretation.
10. What do we mean by a Base Station Software?



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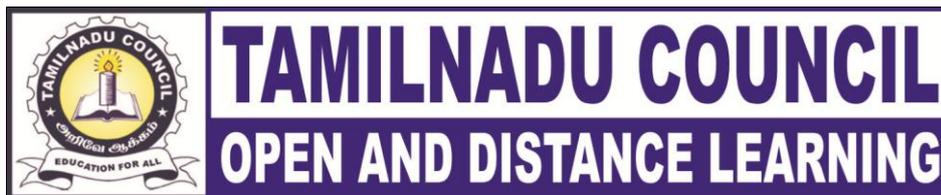
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### 12<sup>th</sup> Std / Physics Assignment

**Answer the all questions briefly.**

1. What is an electric dipole? Derive an expression for the electric field due to an electric dipole at a point along the equatorial line.
2. With the help of a functional block diagram, explain the working of a super heterodyne Am receiver.
3. Obtain an expression for the magnetic induction at a point due to an infinitely long straight conductor carrying current.
4. Discuss with theory the method of inducing  $\text{emf}$  in a coil by changing its orientation with respect to the direction of the magnetic field.
5. What is emission and absorption spectra? Explain The different types of emission and absorption spectra with examples?
6. Draw a neat sketch of Ruby Laser. Explain its working with the help of energy level diagram.
7. What is meant by feedback? Derive an expression for voltage gain of an amplifier with negative feedback.
8. Explain transmission and reception of RADAR with a block diagram.
9. Describe the construction and working of a Bainbridge mass spectrometer in determining the isotopic masses.
10. What are cosmic rays? Explain:
  - i) Latitude effect
  - ii) Altitude effect of cosmic rays?



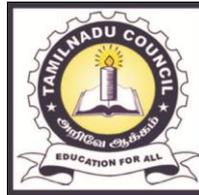
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### XII – Std / Chemistry Assignment

**Answer the all questions briefly.**

1. Write the characteristics of first order reaction.
2. Explain the mechanism of acetaldehyde involved crossed aldol condensation .
3. Explain about Radio carbon dating .
4. a) write the characteristics of ionic crystals.  
b) How can you determine the charge of the sol particles?
5. a) Explain Ostwald's dissolution law.  
b) Discuss the relation between free energy and EMF.
6. Distinguish between primary, secondary and Tertiary amines .
7. An organic compound (A) of molecular formula  $C_2H_4$  reacts with alkaline potassium permanganate and gives compound (B) of molecular formula  $C_2H_6O_2$  compound (B) when heated anhydrous zinc chloride forms (C) of molecular formula  $C_2H_4O$  Identify A,B and C and explain the reactions.
8. Outline the classification of carbohydrates giving examples for each.
9. Derive Nernst equation.
10. Explain schottky and Frenkel defects.



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### 12<sup>TH</sup> Std / Mathematics Assignment

Answer the all questions briefly.

1. Find all the values  $\left[\frac{1}{2} + i \frac{\sqrt{3}}{2}\right]^{3/4}$ . Hence prove that the produce of the Four values is 1.
2. Prove that:  $[\vec{a} + \vec{b} + \vec{c} \vec{b} + \vec{c} \vec{c}] = [\vec{a} \vec{b} \vec{c}]$
3. Resistance to motion F, of a moving vehicle is given by  $f = \frac{5}{x} + 100x$ .  
Determind the minimum value of resistance.
4. Solve:  $(D^2 + 2D - 3)Y = \sin x \cos x$ .
5. Show that the set G of all matrices of the form  $\begin{bmatrix} x & x \\ x & x \end{bmatrix}$ , where  $x \in R - \{0\}$ , is a group under matrix multiplication.
6. The sum of Rs. 1000 is compounded continuously, the nominal rate Of interest being four percent per annum. In how many years will the amount be twice the original principle? ( $\log_e 2 = 0.6931$ ).
7. “Altitudes of a triangle are concurrent”. Prove by vector method.
8. An arch is in the form of semi-ellipses whose span is 48 feet wide. The height of the arch is 20feet. How wide is the Arcata height of 10 feet above the base?
9. Find the perimeter of the circle with radius ‘a’ by using integration.
10. Find the axis, vertex, focus, directrix, equation of the latus rectum, length Of the parabola  $x^2 - 2x + 8y + 17 = 0$  and draw the diagram.



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**XII – Std / Computer Science Assignment**

**Answer the all questions briefly.**

1. Write in detail about how to change margins using page style dialog box and ruler.
2. Define base class and derived class. What are the points should be observed while defining a derived class?
3. a) What is the use of master page?  
b) What is the impact of modifiers?
4. Explain various types of databases.
5. Define object in C++.
6. What is an assignment operator? Give example .
- 7 Explain **if** and **if else** statements with synthase and suitable example.
8. Explain how to insert objects in star office calc work sheet.
9. How to charge margin using Ruler?
10. Explain call by value method with suitable example.