



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 : _____

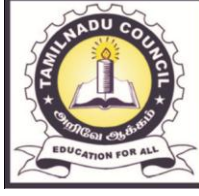
Enrollment Number: _____

Class : _____

Subject Name : _____

Subject Code: _____

Date Of Submission : _____



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12 -ஆம் வகுப்பு / Tamil Assignment

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்:-

1. வாழிடம் பற்றி சங்க இலக்கியம் கூறுவது யாது?
2. சென்னையின் பண்பாட்டு அடையாளங்களில் இன்று நிலைத்து இருப்பனவற்றைக் குறிப்பிடுக?
3. குற்றம் பார்க்கின் சுற்றம் இல்லை என்னும் பழமொழியை வாழ்க்கை நிகழ்வுகளோடு தொடர்புபடுத்தி எழுதுக.
4. சொற்பொருள் பின்வருநிலை அணி அல்லது உவமை அணியைச் சான்றுடன் விளக்குக.
5. பின்வரும் பாடலைப் படித்து பொருளுணர்ந்து மையக் கருத்தினை எழுதி, ஏற்படைய நயங்கள் மூன்றினையும் எழுதுக.

பிறப்பினால் எவர்க்கும் - உலகில்

பெருமை வாராதப்பா!

சிறப்பு வேண்டுமெனில் - நல்ல

செய்கை வேண்டுமப்பா!

நன்மை செய்பவரே - உலகம்

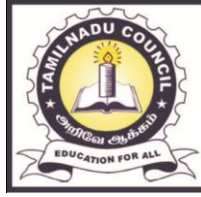
நாடும் மேற்குலத்தார்!

தின்மை செய்பவரே - அண்டித்

தீண்ட ஒண்ணாதார்.!

கவிமணி தேசிக விநாயகம்

6. பண்டையக்காலக் கல்வி முறையில், ஆசிரியர் மற்றும் மாணவர்களுக்கு இடையே நிகழ்ந்த கற்றல், கற்பித்தல் முறைகளைத் தொகுத்தெழுதுக.
7. சாலை விபத்தில்லாத் தமிழ்நாடு - இக்கூற்று நனவாக நாம் செய்ய வேண்டியன யாவை?
8. பழமொழியை விளக்கி வாழ்க்கை நிகழ்வில் அமைத்து எழுதுக. “சிறு துளி பெருவெள்ளம்”
9. மனித வாழ்வின் உயர்வுக்கு அடிப்படையாக இருக்க வேண்டியவை குறித்து மு.வ. உரைப்பன யாவை?
10. செய்நன்றியறிதல் குறித்து வள்ளுவர் கூறியுள்ள கருத்துகளைத் தொகுத்து எழுதுக.



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12TH Std / English Assignment

Answer the all questions briefly.

1. Bring out the message of the poem 'The man He Killed'.
2. Write a paragraph on "Deforestation" or "Information Technology"
3. What is the message of the Poem 'A Psalm of Life'.
4. Gandhi's views on women.
5. V.K. Gokak's address to English Words.
6. Write a paragraph of about 150 words by developing the following Hints:

In the beginning of the world - all animals worked for man - except camel - animals complained to man - man asked him to work double time - animals angry - complained to Djinn - Djinn talked to the camel - camel merely said. "humph" - Djinn Created the humph for the camel - camel could never get rid of that humph.

7. Write a paragraph on "A village festival" or "Punctuality"
8. Read the following advertisement and prepare a resume / bio-data / CV considering yourself Fulfilling the conditions specified:-

Write XXXX for your name and YYYY for your Address

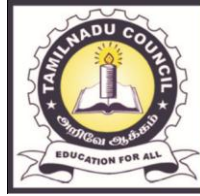
Situation Vacant

Post Graduate Teacher (English) Specialized in extra - Curricular activities (NSS, NCC, etc.) Minimum 3 years of experience, Salary negotiable.

Apply to : POST BOX NO. 1307,

C/O The Hindu, Chennai - 02

9. Write a Paragraph of 150 Words on "Newspaper Reading"
10. How did Mark Antony win the Public of Rome to his side?



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XII – STD / ACCOUNTANCY ASSIGNMENT

Answer the all questions briefly.

1. From the following details you are required to calculate credit sales and credit purchases by preparing total debtors account, total creditors account, bills receivable account and bills payable account

Particulars		Particulars	
Balance as on 1 st April 2018		Balance as on 31 st March 2019	
Sundry Debtors	2,40,000	Sundry Debtors	2,20,000
Bills receivable	30,000	Sundry Creditors	1,50,000
Sundry Creditors	1,20,000	Bills Receivable	8,000
Bills Payable	10,000	Bills Payable	20,000

Other Information:

Cash Received from debtors Rs.6,00,000/-

Discount allowed to customers Rs.25,000/-

Cash Paid to Creditors Rs.3,20,000/-

Discount allowed by Suppliers Rs.10,000/-

Payment against bill Payable Rs.30,000

Cash Rec. for bills receivable Rs.60,000

Bills receivable dishonored Rs.4,000/-

Bad Debts Rs.16,000/-

2. From the following receipts and payments account of Tenkasi Tiruvallur Manrum,
Prepare Income and Expenditure accounts for the year ended 31st March 2019.

Receipts	Rs.	Payments	Rs.
To Balance B/D		By Salaries	20,000
Cash in Hand	14,000	By Rent	24,000
To Interest Received	5,000	By Travelling Expenses	2,000
To Subscription	55,000	By Printing and Stationery	6,000
To Legacies	48,000	By Investment made	50,000
To Entrance Fees	7,000	By Sports equipment Purchased	33,000
To Sales of Furniture	16,000	By Balance C/D	
Block Value Rs.17,000/-		Cash in Hand	10,000
	1,45,000		1,45,000

3. From the following information Prepare Capital accounts of partners Raja and Rani.
When their Capitals are fixed.

Particulars	Raja	Rani
	Rs.	Rs.
Capital on 1 st January 2019	1,00,000	80,000
Current Account On 1 st January 2019 (Cr.)	5,000	3,000
Additional Capital Introduced on 1 st June 2019	10,000	30,000
Drawing During 2018	20,000	13,000
Interest on Drawing	500	300
Share of profit for 2018	10,000	8,000

Interest on Capital	6,300	5,400
Salary	9,000	2,400
Commission	2,700	1,200

4. Alagappan and Ulagappan are partners in a firm sharing profits and losses in the ratio of 10:7. On 1st January 2018, their Capitals were Rs.20,000 and Rs.10,000 respectively. The Partnership deed specifies the following:

- i) Interest on Capital is to be allowed at 5% Per annum.
- ii) Interest on drawing charged to Alagappan and ulagappan are Rs.200 and Rs.300 respectively.
- iii) The net profit of the firm before considering interest on capital and interest on drawings amounted Rs.18,000/-. Give necessary journal entries and Prepare profit and loss appropriation accounts for the year ending 31st December 2018. Assume that the capitals are fluctuating.

5. Latha Ltd. Offered 1,00,000 Shares of Rs.10 each to the public payable Rs.3 on application, Rs.4 on share allotment and the balance when required Applications for 1,40,000 Shares were received on which the directors allotted as:

Applications for 60,000 shares – full.

Applications for 75,000 Shares – 40,000 shares.

(Excess money will be utilized for allotment)

Applicants for 5,000 shares – Nil

All the money due was received. Pass Journal Entries up to the receipt of allotment money.

Also show the working notes, which is part of your answer.

6. From the following details you are required to calculate credit sales and credit purchases by preparing total debtors account, total creditors account, bills receivable account and bills payable account.

Particulars	Opening Rs.	Closing Rs.
Debtors	60,000	55,000
Bills receivable	5,000	1,000
Creditors	25,000	28,000

Bill Payable	2,000	3,000
Other Information Cash received from debtors		1,30,000
Discount allowed to Customers		5,500
Cash Paid to Creditors		70,000
Discount allowed by suppliers		3,500
Payment against bill payable		7,000
Cash received for bills receivable		14,000
Bills receivable dishonored		1,200
Bad debts		3,500

7. Pandian does not keep his books under double entry system. From the following information prepare trading and profit and loss account and balance sheet as on 31-12-2018.

	1-1-2018 Rs.	31-12-2018 Rs.
Furniture	30,000	30,000
Cash in hand	10,000	17,000
Debtors	40,000	60,000
Stock	28,000	11,000
Bills receivable	12,000	35,100
Bank Loan	25,000	25,000
Creditors	15,000	16,000

	Rs.		Rs.
Cash Sales	11,200	Credit Sales	88,800
Cash Purchase	4,250	Credit Purchase	35,750
Carriage on Purchase	3,000	Carriage on sales	700
Commission received	600	Interest on Bank Loan	2,500
Drawings	8,000	Additional Capital	14,000
Salaries	8,900	Office rent	2,400

Adjustments:

Write off depreciation of 5% on Furniture. Create Provision of 1% on Debtors for Doubtful debts.

8. From the following Receipts and payment account of yercaud youth Association, Prepare Income and Expenditure account for the Year ended 31st March 2019 and the balance sheet as on that date.

Dr. Receipts and payments Account for the year ended 31st March 2019 Cr.

Receipts	Rs.	Payments	Rs.
To Balance B/D		By Salary	14,000
Cash in Hand	9,600	By office Expenses	7,200
To Government Grants for purchase of Books	10,000	By Books Purchased	15,000
To Subscription	24,800	By Stationary Purchased	1,800
To Admission fees	2,000	By Newspaper Purchase	2,100
To Prize fund receipts	6,000	By Prized awarded	5,000
To Bank Interest	1,500	By Balance C/D Cash in hand	9,900
To Sale of News Papers	1,100		
	55,000		55,000

Additional Information:

I) Opening Capital fund Rs.20,000/-

II) Stock of books on 1.4.2018 Rs.9,200/-

III) Subscription due but not received Rs.1,700/-

IV) Stock of Stationery on 1.4.2018 Rs.1,200 and Stock of Stationery on 31.03.2019, Rs.2,000/-

9. Rajan does not keep proper books of accounts. Following details are taken from his records.

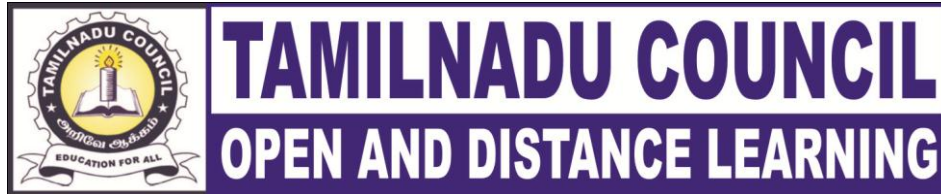
Particulars	01.01.2019 Rs.	31.12.2019 Rs.
Cash at Bank	80,000	90,000
Stock of Goods	1,80,000	1,40,000
Debtors	90,000	2,00,000
Sundry Creditors	1,30,000	1,95,000
Bank Loan	60,000	60,000
Bills Payable	80,000	45,000
Plant and Machinery	1,70,000	1,70,000

During the year he introduced further Capital of Rs.50,000 and withdraw Rs.2,500 per month from the business for his personal use. Prepare statement of profit or loss with the above information.

10. From the following trading activities of Praveen Ltd., Calculate

- 1) Gross Profit Ratio
- 2) Net Profit Ratio
- 3) Operating Cost Ratio
- 4) Operating Profit Ratio

Particulars	Rs.
1) Revenue from Operations	20,000
2) Other Income	
Income from Investments	200
3) Total Revenues	20,200
4) Expenses	
Purchase of Stock – in Trade	17,000
Change in Inventories	1,000
Finance Costs	300
Other Expenses (Administration and Selling)	2,400
Total Expenses	18,700
5) Profit before tax	1,500



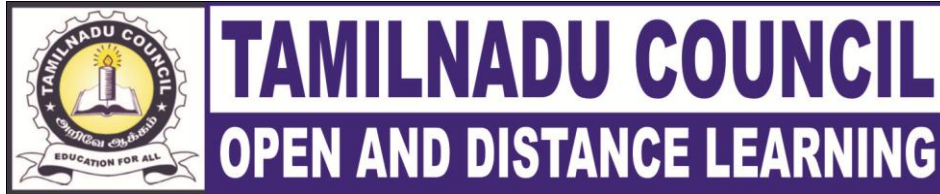
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XII – STD / COMMERCE ASSIGNMENT

Answer the all questions briefly.

1. Explain the modern principles of management.
2. Distinguish between new issue market and secondary market.
3. Explain the features of Stock Exchange.
4. Explain the Principles of Placement.
5. Write the difference between shares and debentures?
6. What are the collective duties of directors?
7. Explain the role of Sole trading Concern in the society?
8. Bring out the distinction between a company and a partner ship?
9. Explain any Eight types of Co-Operative Societies in details?
10. How consumes are exploited.



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XII – Std / Economics Assignment

Answer the all questions briefly.

1. Discuss the relationship between Economics and other Social Sciences.
2. Examine Lionel Robbin's definition of economics.
3. Explain the advantages and disadvantages of monopoly.
4. Explain the canons of taxation.
5. Explain the salient features of Capitalism.
6. Describe the characteristics of Capital.
7. Describe the function of Money.
8. Differentiate between the Direct and Indirect Taxes
9. Discuss the Keynesian theory of Interest.
10. Explain the merits and demerits of division of labour.



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XII – STD / History Assignment

Answer the all questions briefly.

1. Give an account of the reforms of Warren Hasting.
2. Raja Rammohan Roy was the father of Indian Renaissance - Discuss
3. Jawaharlal Nehru is the architect of Modern India - Discuss.
4. Examine the role of Tamil Nadu in the Indian Freedom movement.
5. Estimate the role of U.N.O in maintaining the world peace.
6. “The Government of India ACT of 1935 introduced Significant changes in the constitutional system of India” Comment.
7. Describe the development of Science and technology in independent India.
8. Examine the causes for the rise of nationalism in India.
9. Point out the main features of the Subsidiary System.
10. Examine the causes of the French Revolution of 1789.



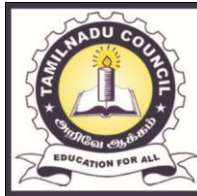
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XII – Std / Physics Assignment

Answer the all questions briefly

1. State Gauss Law Derive an expression for electric field due to an infinite long straight charged wire by using Gauss Law.
2. What are cosmic rays? Explain how the intensity of the cosmic rays changes with latitude and altitude.
3. Describe J.J. Thomson method for determining specific charge of electron.
4. Wavelength of light in air is 6000 \AA . What will be its wavelength in a media of refractive index I, J ?
5. A source of alternating emf is connected with RLC Series combination circuit. Obtain with the help of vector diagram, the expression for (i) the effective voltage (ii) the phase relationship between the current and the voltage.
6. Derive an expression for a force on a current carrying conductor placed in a magnetic field.
7. Explain the action of operational amplifier as (i) inverting amplifier and as (ii) difference amplifier.
8. What is the principle of radar? Describe the transmission and reception of radar by using block diagram.
9. Describe the working of a transistor amplifier.
10. State the postulates of special theory of relativity and derive Einstein's mass energy equivalence.



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12TH STD / GEOGRAPHY ASSIGNMENT

Answer the all questions briefly.

1. Explain the types of Rural Settlement.
2. Classify the type of trade geographically.
3. Water is a valuable resource – Explain
4. Discuss the factors of Industrial locations.
5. Explain how civilization was originated and developed?
6. Explain the diseases listed by World Health Organization.
7. Explain the Benefits of Trade Blocks.
8. What are the objectives and functions of Regional Remote Sensing Service Centres?
9. Write a note on the natural disasters.
10. Explain weber's Theory of Industrial Location with diagram.



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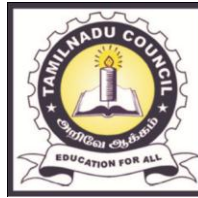
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XII – STD / CHEMISTRY ASSIGNMENT

Answer the all questions briefly.

- Draw the Molecular orbital diagram for the oxygen molecule and calculate its Bond Order.
 - How do electro negativity values help to find the nature of Bond.
- Explain the Extraction of Gold from its ore.
 - What is philosopher's Wool? How is it prepared?
- Discuss the optimal isomerism in tartaric acid.
 - $\begin{array}{c} \parallel \\ \text{CH}_2 \\ \parallel \\ \text{CH}_2 \end{array} \xrightarrow{\text{HOCL}} \text{A} \xrightarrow{\text{Ca(OH)}_2} \text{B}$ Identify A and B
- An organic compound (A) with molecular formula $\text{C}_2\text{H}_2\text{N}$ dissolves in acid solution. It reacts with $\text{NaNO}_2 / \text{HCL}$ to give (B) of molecular formula $\text{C}_2\text{H}_6\text{O}$ (B) reacts with acetic anhydride forming a pleasant smelling liquid (C) Identify A,B,C. Explain the reaction.
 - How is Nylon 66 Prepared.
- Derive De-Broglie relation
 - Electron affinity of noble gases are zero why?
- Explain the mechanism of acetaldehyde involved crossed aldol condensation .
 - Explain about Radio carbon dating.
- Distinguish between Racemic and mesoform.
 - How will you Convert
(i) chlorobenzene to phenol (ii) phenol to benzene
- Explain Bragg's Spectrometer method.
 - State Lechatelier's Principle.

9.
 - a) Derive Henderson equation.
 - b) Using IUPAC Convention Write the Cell diagram for Zinc – Copper Cell.
10.
 - a) How is the structure of glucose elucidated.
 - b) What are chromophores? Give examples?



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12TH Std / Mathematics Assignment

Answer the all questions briefly.

1. Examine the consistency of the following system of equations. If it is consistent then solve using rank method.

$$4x+3y+6z=25, x+5y+7z=13, 2x+9y+z=1$$

2. The Orbit of the earth around the sun is elliptical in shape with sun at a focus. The semi major axis is of length 92.9 million miles and eccentricity is 0.017. Find how close the earth gets to sun and the greatest possible distance between the earth and the sun.
3. If $[\bar{b}, \bar{c}, \bar{d}] = 24$ and $(\bar{a} \times \bar{b}) \times (\bar{c} \times \bar{d}) + (\bar{a} \times \bar{c}) \times (\bar{d} \times \bar{b}) + (\bar{a} \times \bar{d}) \times (\bar{b} \times \bar{c}) + K\bar{a} = 0$ then find the value of K/16.
4. Show that the set of all matrices of the form $\begin{bmatrix} a & 0 \\ 0 & 0 \end{bmatrix}, a \in R - \{0\}$ is an abelian group under matrix multiplication.
5. A Bank pays interest by continuous compounding that is by treating the interest rate as the instantaneous rate of change of principal. Suppose in an account interest accrues at 8% per year compounded continuously. Calculate the percentage increase in such an account over one year.

6. Solve the differential equations: $(D^2 + 5)y = \left(\sqrt{\frac{1 + \sin x}{1 - \sin x}} + \sqrt{\frac{1 - \sin x}{1 + \sin x}} \right) \cos^2 x$
7. Find the Surface area of the solid generated by revolving the arc of the parabola $y^2 = 4ax$ bounded by its latus rectum about x axis.
8. If $\arg \left(\frac{z-1}{z+1} \right) = \frac{\pi}{2}$ then prove that $|z| = 1$.
9. Find the axes, center, focus and directrix of the parabola $y^2 - 6y - 8x + 25 = 0$.
10. Derive the formula for the volume of a right circular cone with radius 'r' and height 'h' using integration.



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XII – STD / COMPUTER SCIENCE ASSIGNMENT

Answer the all questions briefly.

1. Draw and explain the function of the icons available in the table formatting tools Bar?
2. What are the different types of database?
3. Explain the selection statement C++ with syntax and suitable examples.
4. What are the advantages of computerized data processing?
5. How will you create custom slide show?
6. What are the advantages of electronic spreadsheet?
7. Explain creating header and footer and adding remarks and page numbers in a text document.
8. What are reports? How can you create a report by using star office base?
9. Explain the Details – Mail Merge Concept in Ms-word?
10. Explain the Details Oops Concept in C++?