SUBJECT : ENGLISH

NOTE : *All work will be done in the respective fair notebook/register.*

Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

1. Write an article on the given topics within 250-300 words.(Any Two)
   a. Linguistic Chauvinism (The Last Lesson)
   b. Education and Exposure can change the Plight of the Poor Children.
   c. Power Corrupts and absolute power Corrupts absolutely. (The Tiger King)
   d. God has provided resources for our need and not our greed. Contentment in life is the Key to peaceful living, (Journey to the End of Earth)

2. Write a report on the following topics: (Any 2)
   (a) Recently your town experienced a cloudburst during heavy rain,
   (b) The Celebration of Annual Function.
   (c) Visit To Book Fair

3. Write a book review on the following books. (any two)

   (a) The Secret
   (b) Before I Fall
   (c) The Tale of Two Cities
   (d) The Hitchchiker's Guide to the Galaxy series
   (e) Animal Farm

4. Read the Literature book, find 50 difficult words and write their meaning and make sentences.

SUBJECT : ECONOMICS

NOTE : *Do all questions in class work Register.*

Answer the following questions:

1. "Commercial banks create money in the economy". Explain with the help of example.
2. Answer the following questions based on the data given below:
   (i) Planned Investments= ₹ 100 crore
   (ii) C=50+0.50 Y
   (a) Determine the equilibrium level of income.
   (b) Calculate the value of savings at equilibrium level of national income.
   (c) Calculate the value of Investment Multiplier
3. (a) Briefly explain the multiplier process.
   (b) Discuss the working of the adjustment mechanism in the following situations:
      (i) If Aggregate demand is greater than Aggregate supply
      (ii) If Ex-Ante Investments are less than Ex-Ante Savings.
4. (a) Explain the relationship between fall in price of a US Dollar ($) and its demand.
   (b) Distinguish between Autonomous items and Accommodating items
5. "Taxation is an effective tool to reduce the inequalities of income." Justify the given statement with valid reasons.
6. Revise all the chapters done in the class.

SUBJECT : ACCOUNTANCY

NOTE : *Do all questions in class work Register*

1. From the following balance sheets of Surya Roshni Ltd. As at 31 March 2018 and 2017, prepare a

Particulars	Note no.	31.3.2018	31.3.2017
I. EQUITY AND LIABILITIES			
1. Shareholder's funds:			
a) Share capital	1	4,75,000	4,00,000
b) Reserves and surplus	2	1,16,000	(30,000)
2. Non current liabilities			
a) Long term borrowings	3	2,50,000	2,00,000
3. Current liabilities			
a) Trade payables		1,10,000	50,000
b) Short term provision	4	16,000	10,000
II. ASSETS			
1. Non current assets			
a) Tangible Fixed Assets		9,67,000	6,30,000
b) Non current Investments	5		
2. Current Assets:			
a) Current Investments		4,52,000	1,70,000
b) Inventory			
c) Trade receivables		45,000	40,000
d) Cash and cash equivalents			
		30,000	50,000
		2,00,000	1,50,000
		56,000	1,76,000
		1,84,000	44,000
		9,67,000	6,30,000

statement of cash flow:

Notes:

Particulars	2018(Rs.)	2017(Rs.)
1. Share Capital		
Equity share capital	4,00,000	3,00,000
Preference share capital	75,000	1,00,000
2. Reserves and Surplus		
Securities premium reserve	60,000	-
Profit & Loss balance	56,000	(30,000)
3. Long term borrowings:		
15% Debentures	2,50,000	2,00,000
4. Short term provision:		
Provision for doubtful debts	16,000	10,000

5. Tangible Fixed Assets	5,00,000	2,00,000
Less: accumulated depreciation	48,000	30,000
Net balance	4,52,000	1,70,000

Additional Information:

a) Contingent liability: 31.3.2018   31.3.2017

    Proposed dividend   10%   9%

b) Non current investments costing Rs. 10,000 were sold at the profit of 40%.

  2. From the following calculate Return on Investment

Particulars	Rs.
Share capital	12,00,000
Reserves and surplus	3,00,000
8% long term borrowings	5,00,000
Current liabilities	2,00,000
Fixed assets	16,00,000
Non current trade investments	2,00,000
Current assets	4,00,000

  Net profits before tax Rs. 2,00,000.

3. A) Net profit after interest and tax Rs. 1,00,000; current assets Rs. 4,00,000; current liabilities Rs. 2,00,000 ; tax rate 20%; fixed assets Rs. 6,00,000; 10% long term debt Rs. 4,00,000. Calculate return on investment.

b) Rate of Gross Profit on cost of a company is 25%. Its Gross profit is Rs. 5,00,000. Its shareholder's fund are Rs. 12,00,000; current liabilities are Rs. 3,00,000 and Current assets are Rs. 10,00,000.

Calculate its working capital turnover ratio.

4. From the following information, calculate cash flow from operating activities:

Particulars	31.3.2018	31.3.2017
Surplus	71,000	89,000
Inventory	12,000	4,000
Trade receivables	58,000	45,000
Outstanding Expenses	14,600	10,000
Goodwill	57,000	27,000
Cash in hand	9,000	12,000
Machinery	82,000	56,000

    I. A piece of machinery costing Rs. 50,000 on which depreciation of Rs. 20,000 had been charged was sold for Rs. 10,000. Depreciation charged during the year was Rs. 18,000.

   II. Income tax paid Rs. 23,000 during the year.

  III. Dividend paid during the year Rs.36,000.

    Tangible fixed assets costing Rs. 20,000(accumulated depreciation Rs. 8,000) were sold for Rs. 17,000.

Additional debentures amounting to Rs. 50,000 were issued at par on 1st August 2017. Interest on debentures has been paid regularly.

5. Prepare comparative statement of profit & loss from the following:

Particulars	Note no.	31.3.2013 Rs.	31.3.2012 Rs.
Revenue from operations		30,00,000	20,00,000
Other income(% of revenue from operations)		15%	20%
Expenses (% of operating revenue)		60%	50%

SUBJECT : BUSINESS STUDIES

NOTE : *Do all questions in class work Register*

1. As a global leader in the consumer electronics and entertainment industries, sony has set forth ' Road to Zero environmental plan' to achieve a zero environmental effect by the year 2050 by producing world class products in a manner that both protects and promotes a healthy and sustainable planet.

    In the context of above case:

    a) Identify the marketing philosophy being implemented by the company.
    Outline the main focus and ends of the relevant marketing philosophy.
    .
2. Aryan went to purchase a pack of chocolate for his son from a shop nearby market. Despite his preference to buy a particular brand the shopkeeper forced him to buy the pack of chocolate of other brand, by giving some odd justifications. After coming back home, Gaurav was feeling very dissatisfied.
    a) Identify and explain the right of the consumer being violated in the above mentioned case.
    b) Briefly explain any two points highlighting the importance of consumer protection from the consumer' s point of view.   4
3. Unilever has found a new way to make ice creams by using an ingredient called ice structuring protein. Which is widely found in nature especially, in fishes which allows them to survive in freezing arctic waters. Combining ISP with stabilisers technology allows to make ice creams that don't melt so easily thereby making it more convenient for small children and consumers in hot countries.
    In the context of above case:
    a) Identify the component of Marketing Mix being taken into consideration by the company.
    b) Explain briefly the function of marketing highlighted here.
4. The organic food market in India is growing at 25-30% which reflects a clear shift in consumer taste and preferences. The current growth in the organic food market is driven by multiplicity of factors like rising health consciousness, changing lifestyles, increase in disposable income and growing availability of organic food products in shopping malls, outlets and online.
    a) Identify and explain the features of business environment being refereed.
    b) By quoting lines from above para identify various components of general forces which have led to a growth in organic food market.

5. Endearing Ltd. Is a one person company being run by NeenaJindal. In order to ensure efficient working in the company she follows certain golden rules. The jobs and people in the organisation are divided into four separate departments namely, finance department, marketing department, research and development department and human resource department. In order to avoid dual subordination the limita for discounts, credit period etc. are set beforehand in association with the finance manager so that a marketing executive can finalize a deal with a buyer on his own or consultation with marketing manager only. She honours all her commitments towards the employees without any prejudice and the employees also reciprocate in the same manner.
In the context of the above case:
Identify any two principles of Management being followed by the company

SUBJECT: COMPUTER SCIENCE

NOTE : *Do all program of Q1. in class work Register and practical file(print out of program with outputs). Make project work synopsis and submit its hardcopy after holidays.*

Q1. Complete the following list of program for practical files

1. Write a program to calculate the factorial of the given number using for loop
2. Write a program using functions to check whether a number is even or odd
3. Write a program to create a mirror of the given string. For example, "wel" = "lew".
4. Write a program to generate values from 1 to 10 and then remove all the odd numbers from the list
5. Write a Program that generate a set of prime numbers and another set of odd numbers. Display The result of union, intersection, difference and symmetric difference operations with them
6. Write a program to accept a string and print the number of uppercase, lowercase, vowels, consonants and spaces in the given string
7. Create an Employee Table with the fields Empno, Empname, Desig, Dept, Age and Place. Enter five records into the table. Then, query the followings:
   • Add two more records to the table.
   • Modify the table structure by adding one more field namely date of joining.
   • Check for Null value in doj of any record.
   • List the employees who joined after 2018/01/01.
8. Create Student table with following fields and enter data as given in the table below

Field	Type	Size
Reg_No	char	5
Sname	varchar	15
Age	int	2
Dept	varchar	10
Class	char	3

Data to be entered

Reg_No	Sname	Age	Dept	Class
M1001	Harish	19	ME	ME1
M1002	Akash	20	ME	ME2
C1001	Sneha	20	CSE	CS1
C1002	Lithya	19	CSE	CS2
E1001	Ravi	20	ECE	EC1
E1002	Leena	21	EEE	EE1
E1003	Rose	20	ECE	EC2

Then, query the followings:

(i) List the students whose department is "CSE".
(ii) List all the students of age 20 and more in ME department.
(iii) List the students department wise.
(iv) Modify the class M2 to M1.
(v) Check for the uniqueness of Register no.

Q2. Prepare Project synopsis of your project

Synopsis include: About Project, Scope of Project, Module of projects, DFD diagram. Consider any one project from following list of project and take approval.

Projects List

- Salary Management Application
- Bank Transaction
- School canteen
- Alumni Information System
- GST Billing System
- Online Bus Reservation
- Student Attendance Management System
- Password Manager
- Time Table Generator
- Todo List Organizer
- GK QUIZ
- Sales Analiysis And Counter Program For Sweets Shop
- Quiz Maestro
- stone paper scissor

Q3. Complete all given worksheets in class register. Revise All Topics taught in class

SUBJECT : MATHEMATICS

NOTE : *Do all questions in class work Register.*

Q 1 Determine the product $\begin{bmatrix} 1 & -1 & 0 \\ 2 & 3 & 4 \end{bmatrix}\begin{bmatrix} 2 & 2 & -4 \\ -4 & 2 & -4 \end{bmatrix}$ and hence or otherwise solve the system of

_0 1 2_ 2 -1 5_
2x+2y-4z = -14 , -4x +2y -4z = -26 , 2x – y +5z = 25.

Q2. Prove that $\sin^{-1}(\frac{8}{17}) + \sin^{-1}(\frac{3}{5}) = \cos^{-1}(\frac{36}{85}) = \tan^{-1}(\frac{77}{36})$

Q3 . A small firm manufactures necklaces and bracelets. The total number of necklaces and bracelets that it can handle per day is at most 24. It takes one hour to make a bracelet and half an hour to make a necklace. The maximum number of hours available per day is 16. If the profit on a necklace is Rs 100 and that on a bracelet is Rs 300. Formulate on L.P.P. and find how many of each should be produced daily to maximise the profit?

Q 4 Find the derivative of $(x \cos x)^x + \frac{4 \sin x}{2+\cos x}$ with respect to x.

Q 5 Using properties determinants, solve the following for x:

$$\begin{vmatrix} x-2 & 2x-3 & 3x-4 \\ x-4 & 2x-9 & 3x-16 \\ x-8 & 2x-27 & 3x-64 \end{vmatrix} = 0$$

Q 6. Complete all Activities. Revise All Topics taught in class from Examplar.

SUBJECT: MASS MEDIA

NOTE : *Do all questions in class work Register and revise the covered syllabus.*

1. Find out about the INSAT Project in 1982.

2. Write down about the headlines of the front page of any two newspaper of your city.
   a) What are the common action word used?
      You would have noticed these are simply everyday words.
   b) What is the tense in which headlines are noticed? Why are they all In present tense while the reports below are in past tense?
   c) How many tense are there in each paragraph? Why do you think the paragraph are so short, compared to the paragraph in editorial or in feature.
   d) Find out the source of news items on the front page (international news agency, national news agency, source correspondent)

SUBJECT: PHYSICAL EDUCATION

NOTE : *Do all questions in class work Register and revise the covered syllabus.*

1.Write down the five asanas for concentration and its benefits.
2.Write down the National sports awards and explain. any one Nation award in detail
3. List down the events of track races.
4. List down the field events in athletics