

SUMMER BREAK HOLIDAYS HOMEWORK (SESSION 2018-19)

Class XI

▶▶ENGLISH

1. Revise all the chapters taught in the class for 1st UT {25 Marks}.
2. Read any two novels of your choice and write a brief review of each,{to be tested for speaking skills}.
3. Read newspaper daily and update your vocabulary + G.K.
4. Maintain your '**Diary Entry**' of your visit to various places during the vacation.
5. Spend quality time with your family and rejuvenate yourself to resume school with zeal.

▶▶GEOGRAPHY

Complete the given assignment and revise the given work.

Do the assigned project work discussed in class.

▶▶PHYSICS

Revise the chapters taught in the class for 1st UT

1. Units and dimension, motion in 1D
2. Practice questions from various books

▶▶MATHS

Complete the assignments of chapters

1. Sequence and Series,
2. Complex Numbers.

▶▶ENGG. GRAPHICS

1. Practice of Class Work.

▶▶BUSINESS STUDIES

1. Complete the given assignments.
2. Prepare for the Unit Test to be held in July.

►►C.SC. WITH C++

Task 1 - Google to find the well labeled diagram of internal structure of a computer system showing RAM, ROM, CPU, serial , parallel , USB ports etc. Take a printout and paste it as Practical I in your practical file.

Task 2 - Google to find an image of 7 bit ASCII ,8 bit ASCII , I SCII and Unicode characters in tabular form paste the printout in your assignment copy .

Task 3 - Paste the print out of the Character coding scheme in your assignment copy

Task- 4. In assignment copy do following questions-

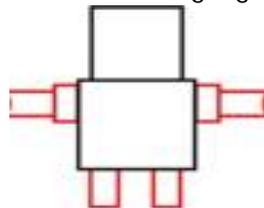
- i) Name any two input devices and two output devices connected through USB port
- ii) Name any two operating system?
- iii) Give 3-3 differences between assembler, compiler and interpreter.
- iv) Differentiate between system, custom and application software's using examples.
- v) Draw a table of memory unit starting from kilo byte to Exa byte.

Task 5 - Execute and write the following programs in c++ in the Practical File -

1. To print following patterns using '\t' & '\n'

i) 1 1	ii) *
2 2 2	* * *
3 3 3 3	* * * * *
4 4 4 4	* * *
5 5 5 5 5	*

2. Using clrsc() and getch() functions write a countdown program from 9 to 0, where on screen first 9 will appear the 8 then 7 and so on up till 0.
3. To input a sides of a rectangle and find its area and perimeter.
4. To input a radius of a circle and find its area and perimeter.
5. To input temperate in degree Celsius and print its equivalent Fahrenheit temperature and vice versa.
6. Record the maximum temperature of a week in the month of May or June and print average maximum temperature of the week.
7. Using cout statement construct following figure (ignore the colour of lines) -



8. To input a character in lower case and print its equivalent upper case character and vice-versa. (hint ASCII code for A-Z is 65-90 and for a-z is 97-122)
9. WAP in c++ to input an integer and print its table upto 10.

10. WAP in c++ to input your name, Fathers name, Mothers name, Class-Sec, Phone no. in a string and print your I-CARD.

►►ECONOMICS

Economics assignment
Class-X

Very short answer questions

- Q1 What is meant by economizing of resources/??
- Q2 State two features of resources?
- Q3 Define marginal opportunity cost?
- Q4 Give two features of human wants.
- Q5 What is meant by economic problem?
- Q6 Give one example each of macroeconomic and microeconomic variable.
- Q7 What does production possibility curve depicts?
- Q8 State any two assumptions of PPC.
- Q9 What does slope of PPC shows?
- Q10 State two examples of growth of resources.
- Q11 What does shift in PPC indicates?
- Q12 How is underutilization of resources represented by PPC.

Short answer questions

- Q1 "Scarcity and choice go hand in hand". Discuss
- Q2 Why does economic problem arise?
- Q3 Explain the central problem of "What to produce".
- Q4 Explain the central problem of "Choice of technique".
- Q5 Explain the central problem of "Distribution of income".
- Q6 Explain the features of PPC.
- Q7 Give a numerical example where MRT is constant and also derive PPC from it.
- Q8 Recession in an economy has adversely affected its economic activities, how will it affect its PPC? Explain using diagram.
- Q9 A developing economy is making huge investment in research and development in the field of production. How will such investment help the economy? Explain using PPC
- Q10 If all resources are equally efficient to produce all the goods, what will be the shape of PPC? Explain with the help of schedule.
- Q11 Distinguish between micro economics and macro economics.
- Q12 The following table shows the production possibilities for 2 goods :

Possibility	A	B	C	D	E
X	0	1	2	3	4
Y	10	9	7	4	0

- a. Show these production possibilities a PPF. What do these combination indicate?
 - b. Label point F and G inside and outside the PPC respectively. What do these combination indicates?
 - c. Suppose the technological progress takes place in the production of goods, how does it affect the PPC?
 - d. Suppose destruction of resources takes place due to earthquake, how does it affect PPC?
 - e. Calculate the rate of sacrifice at each possibility.
- Q13. "Economy will always operate on but no inside PPC". Defend or Refute.
- Q14. The economy discovers a new oil field. How will it affect the PPF of the economy? Give reason.

HOTS

- Q1. There is massive unemployment in a nation, in this direction launches employment generation schemes. How will this affect PPC of that nation, explain.
- Q2. People of a country are becoming more and more aware of the importance of education. Explain its effects on the production potential of the country using PPC.
- Q3. Government initiates policies favouring globalisation to attract foreign capital. Explain the effect of these policies using PPF.
- Q4 What is the likely effect of environmental degradation on the production potential of the country.? Discuss with the help of PPC.

▶▶BIOLOGY

1. Revise the Chapters.

- The Living World.
- Biological Classification.
- Animal Kingdom
- Structural organization in Animals – Cockroach

2. Complete File Work.

▶▶CHEMISTRY

1. Revise all the topics done in class and do the N.C.E.R.T Questions.

▶▶HOME SCIENCE

1. Visit a child care centre. Write a report on activities and facilities.

2. Prepare a suitable label for any Preserved food item.

3. Prepare message for “Respect for girl child / Women’s empowerment / Cleanliness of Public Places”

3. Make a leaflet or a pamphlet using original slogan for consumer education on any topic.

▶▶CLASS XI IP (NEW)

- Revise the syllabus covered for Class Test after Summer Break.
- Complete the Practical File(11 Practicals)
- Do the Exercise of Ch- Computer Fundamentals in Register.

- Solve and Execute the following Python Problems in Python 3.6 and then write in the Register.
 1. WAP to accept three numbers from the user and arrange them in-
 - a) ascending order.
 - b) Descending order.
 2. WAP to accept a number from the user and check whether it Armstrong number or not.
(An Armstrong number is a number whose sum of the cubes of the digits is equal to the number itself. For eg: $370=3^3+7^3+0^3$)
 3. To find minimum of four numbers provided as input by user.
 4. WAP to input the length of three sides of a triangle and check whether the triangle is a right triangle or not.

5. **TAX CALCULATOR** - WAP to accept the income from the user and calculate tax as per the following tax rate:

<u>INCOME SLAB</u>	<u>TAX RATE</u>
Upto Rs 2,50,000	No Tax
Rs 2,50,000 - Rs 5,00,000	5%
Rs 5,00,000- Rs 10,00,000	20%
Above 10,00,000	30%

6. **ELECTRICITY BILL CALCULATOR**

WAP to input the monthly consumption of electricity and evaluate and display the amount payable based on the following rate list:

Rs. 1.00 per unit for the 1st 100 units.

Rs. 1.20 per unit for the next 100 units.

Rs. 1.50 per unit for the next 50 units.

Rs. 2.00 per units for consumption above 250 units.

7. WAP to accept the Basic Salary from the user. Compute Gross Salary, HRA% and DA%.
HRA is 40% of Basic Sal and DA is 30% of Basic Sal.
Gross Salary is calculated as the sum of Basic Salary, DA and HRA.

►►PSYCHOLOGY

1. Revise chapter -1
What is Psychology?
2. Read a book based on some Psychological issue and write its brief review.

►►POLITICAL SCIENCE

1. Complete your notes of Pol.Science.
2. Keep an eye on the Karnataka election results & collect information on -:
 - Who form the govt.
 - Who is the C.M of Karnataka?
 - Weather it is a Coalition govt. or not.
 - Vote share tally of all Political Parties.

►► ACCOUNTANCY

1. Complete the assignment on accounting equations.
2. Practice journal.
3. Read thoroughly the concept of GST.

CLASS

ASSIGNMENT NO-1 — ACCOUNTANCY (101)

ACCOUNTING EQUATION

Q1 Mahipal started business on 1st April 2014 with a capital of Rs 3,60,000 and a loan of Rs 1,80,000 from the bank. On 31st march 2015, his assets were Rs 6,30,000. Find out his capital as on 31st march 2015 and profit earned during the year 2014-15.

Q2 Ranjit started business on 1st April 2014 with a capital of Rs 1,60,000 and a loan of Rs 60,000 from the bank. On 31st march 2015, his assets were Rs 3,04,000. During the year he had introduce additional capital of Rs 48,000 and he had withdrawn rs28,800 for personal purposes. Find out his capital on 31st march 2015 and profit earned during the year 2014-15 .

Q3 Develop accounting equation and balance sheet

RS

- | | |
|---|--------|
| 1) Mr. FLOWER started business with cash | 20,000 |
| 2) Business increased cash by borrowing | 8,000 |
| 3) Furniture purchased for | 2,000 |
| 4) Goods purchased from Mr. Rose for | 2,000 |
| 5) 50% of goods sold for cash | 1,400 |
| 6) Rent of shop Rs 40 per month. Rent is paid on 1 st day of the next month. | |

Q4. Show the accounting equation and people balance sheet

RS

- | | |
|---|--------|
| 1) X started business with cash | 10,000 |
| 2) Purchased goods on credit | 5,000 |
| 3) Furniture purchased for cash | 1,000 |
| 4) Sold goods costing Rs 16,000 for | 2,000 |
| 5) Bought goods worth Rs 1,975(paid 975 in cash, balance on credit) | |
| 6) Purchased securities for cash | 500 |
| 7) Interest due but not paid | 200 |

Q5. Prepare accounting equation and balance sheet-

RS

- | | |
|--------------------------------------|--------|
| 1) Commenced business with cash | 20,000 |
| 2) Goods purchased on credit | 7,000 |
| 3) Furniture purchased | 3,000 |
| 4) Amount withdrawn for personal use | 2,000 |
| 5) Creditors accepted the bill | 1,500 |
| 6) Interest on the capital | 1,000 |
| 7) Transfer from capital to loan | 5,000 |
| 8) Allotted shares to creditors | 1,000 |

Q6 . Show accounting equation and balance sheet(31.12.02)

- 1) Started business with cash Rs 80,000 ,goods Rs 30,000 on 1.1.02
- 2) Purchased goods on credit from Y Rs 15000 and on cash from X for Rs 10,000
- 3) Goods costing Rs 6000 sold at a loss of 10% out which Rs 2,000 received in cash
- 4) Introduced fresh capital for Rs 1,00,000 on 1.7.02
- 5) Rent outstanding Rs 5000
- 6) Paid 3 months advance rent for office accommodation Rs 2,000
- 7) Interest on capital @ 10%
- 8) Sold goods at cost to Mr. A for 5000. He paid Rs 3000 in cash and accepted a 3 months bill for the balance.

Q7 . If total assets of a business is rs 7,00,000 and its net worth is Rs 3,75,000 calculate its outside liabilities.