SACHDEVA GLOBAL SCHOOL

CLASS - XI	SUMMER HOLIDAY HOMEWORK

ENGLISH

Q1. Write a Book Review on "The Canterville Ghost" by Oscar Wilde, as per the format given below and submit in a file/folder.

S. No.	CONTENT
1	Summary and analysis
2	Character sketch- 5 Main characters
3	Evaluation of Plot and structure
4	Conclusion

MATHS

Complete the following assignment in maths note book

1. Write the proper subsets of set A = $\{\ \emptyset, a\ \}$

2. If A = {3, 5, 7, 9, 11}, B = {7, 9, 11, 13}, C = {11, 13, 15} D = {15, 17}. Find (A ∩ B) ∩ (B ∪ C).and verify (A – B) ∪ (B – A) = (A ∪ B) – (A ∩ B)

3. If U = {x : x ∈ N and 2 ≤ x ≤ 12 }, A = { x : x is even prime no} and B = { x : x is a factor of 24} then Verify: A' – B' = B – A

4. Let A and B be two sets such that n(A) = 20, n(A∪B) = 42 and n(A∩B)=4. Find

   1) n(B) 2) n(A – B) 3) n(B – A).

5. A and B are two sets such that n(A) = 3, n(B) = 6. Find the max and min values of n(A∪B)

6. If U= {1, 2, 3, 4, 5, 6, 7, 8, 9}, A = {2, 4, 6, 8}, B = {2, 3, 5, 7}, Verify De-Morgan's law: (A ∩ B)' = A' ∪ B'.

7. Let A, B and C be three sets. If A $\in$ B and B $\subset$ C, is it true that A $\subset$ C, If not, give an example.

8. Write down the subsets of {2, {3}}. Also find the power set

9. A and B are two sets of 36 elements such that $n(A-B) = 20 + x$, $n(B-A) = 3x$ and $n(A \cap B) = x+1$. Draw a Venn - diagram to illustrate this information. Find (i) the value of x, (ii) $n(A \cup B)$

10. A survey of 500 television viewers, produced the following information; 285 watch football, 195 watch hockey, 115 watch basketball, 45 watch football and basketball, 70 watch football and hockey, 50 watch hockey and basketball, 50 do not watch any three games. How many watch all the three games? How many watch exactly one of the three games?

11. A college awarded 38 medals in Football, 15 in Basketball and 20 in cricket. If these medals went to 58 men and only 3 men got medals in all the three sports, how many received medals in exactly two of the 3 sports?

12. Write the set {1/2 , 2/3, ¾, 4/5, 5/6, 6/7 } in the set-builder form

13. State which of the following sets are finite or infinite:

(i) {x : x $\in$ N and (x − 1) (x −2) = 0}

(ii) {x : x $\in$ N and x2 = 4}

(iii) {x : x $\in$ N and 2x −1 = 0}

(iv) {x : x $\in$ N and x is prime}

(v) {x : x $\in$ N and x is odd}

14. Find the pairs of equal sets, if any, give reasons:

A = {0}, B = {x : x > 15 and x < 5},

C = {x : x − 5 = 0 }, D = {x: x2 = 25},

E = {x : x is an integral positive root of the equation x2 − 2x −15 = 0}.

ACCOUNTANCY

Complete the following assignment in accountancynotebook

1. Define Accounting as per American institute of certified public accountant..

2. Explain the three branches of Accounting.

3. Book keeping is not a part of accounting. Comment and give any three points of difference between Book-keeping and Accounting.

4. Resignation by a production manager is not recorded in the books of accounts. Why? Also explain briefly any other three limitations of Accounting.

5. Recording the transactions and events correctly and preparing financial statements are the only objective of accounting. Do you agree?

6. Name the qualitative characteristics of accounting information. Explain any two of them.

7. Accounting information is used by various people, name four of them. Why do they need accounting information?

8. What is meant by Drawings and Capital from firm point of view?

9. Give two examples each of Current Assets and Non current assets.

10. What is meant by expenditure? Explain its classification.

11. Explain the difference between revenue and capital receipt?

12. Explain the following Principles:

   a. Money measurement principle

   b. Going concern concept

   c. Accounting period principle

   d. Accrual concept

   e. Prudence

ECONOMICS

As a part of your assessment for the final term, a research work has to be submitted by **6th July 2016**. You may choose to do research work on any of the topic suggested in the list. The research work must have a title page, main content and references. It should be typed in font size 12 (Times Roman) and should be of 20-25 pages excluding tables, diagrams and references. You may work individually or form a team with a partner. (Each team has at most 2 students).

Suggested topics:

1. Link between poverty and crime in India.
2. Green revolution and its impact on agricultural output and productivity.
3. India's government spending on education and health and GDP growth.
4. Link between IT sector and employment.
5. Globalization and its impact on Indian economy.

BUSINESS STUDIES

Complete the following projects in a scrap file

1) Visit a newly established business organisation in your neighbourhood and interview the owner. Prepare a report on how that entrepreneur decided about the **form of business organisation** and why?

2) Select any **Co-operative society**. Analyse the following objectives:

- Objective of formation
- Nature and size of business
- Number of members and their roles
- Evolution or history of society
- Benefit to members
- Control and management of society

PHYSICAL EDUCATION

Complete the following assignment in Physical Education practical file in the same order as listed below.

1. Explain in detail about any two Athletics events – Sprints and Jumps. (The events must be other than from those administered under Physical Fitness Test).
2. Write benefits of Medicineball, Thera Tube and Pilates.
3. Draw a neat diagram of Standard Track with all its specifications. Mention all the Track and Field Events.
4. Measure BMI of ten members from family or neighbourhood and show graphical representation of the data.

INFORMATICS PRACTICES

Project Work
Do the case study of the project of your given topic:
A Journey 'FROM ABACUS TO PENTIUM'
It should include the following:

- Updation taking place in:
  ✓ Hardware
  ✓ Software
  ✓ Operating System
- Generations of computers
- People Behind for the updations

You can do any one of these:
- PPT
- WEBSITE
- MOVIE

Happy Holidays!