CLASS - XI	COMMERCE

ENGLISH

1. Read 'The Canterville Ghost' by Oscar Wilde and write a Book Review discussing the following aspects:

a. Cultural Conflict in the novel.

b. The Novel as an inverted horror story.

c. The idea of retribution in the novel.

The review is to be written in A4 sheets and submitted in a file. Marks will be given on the basis of content, presentation, originality and expression.

MATHEMATICS

Complete the following assignment in math note book

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

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

3. If U = {x : x $\in$ N and 2 $\leq$ x $\leq$ 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(AUB) = 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(AUB)

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 $\cap$ B)' = A' $\cup$ 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 $\square$ N and (x − 1) (x −2) = 0}

(ii) {x : x $\square$ N and x^2 = 4}

(iii) {x : x $\square$ N and 2x −1 = 0}

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

(v) {x : x $\square$ 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: x^2 = 25},

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

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?

OR

Visit any business organisation in your neighbourhood and interview the owner. Prepare a report on the kind of risk faced by him in business and the way he deals with them.

OR

Visit any business organisation in your neighbourhood and interview the owner. Prepare a report on the objectives pursued by the business and also find the reason why business is not pursuing other objectives.

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

ACCOUNTANCY

Complete the following assignment in accountancy notebook

1. Define Accounting.

2. Explain any three characteristics of Accounting.

3. Give any three points of difference between Book-keeping and Accounting.

4. Explain briefly any five advantages of Accounting.

5. State four limitations of Accounting.

6. Briefly explain the advantages of double entry system over single entry system.

7. State any six users of accounting information. Explain briefly why they need accounting information.

8. What is meant by receipts? Differentiate between capital and revenue receipts.

9. Give two examples of Current Assets.

10. What is an expense? Briefly explain the meaning of prepaid and outstanding expense.

11. What is meant by trade payables? Explain with examples.

12. Distinguish between opening stock and closing stock(any two points)

13. Explain the following Principles:

   a. Business Entity Concept

   b. Going concern concept

   c. Accounting period principle

   d. Accrual concept

   e. Money measurement principle

ECONOMICS

1. **A report on demographic structure of your neighbourhood.**
   Conduct a survey in your households with the help of questionnaire. Minimum of 20 households must be covered. Questionnaire must consist of minimum of 10 questions. Questionnaire must include all demographic indicators like educational level, gender etc. On the basis of the information, prepare a report. Report can also be presented in the form of diagrams
2. Students can do **any 1** from the following options:
   a) Case study of cooperative institution: milk cooperative, marketing cooperatives, etc.
   b) Case study on public private partnership
   c) Case study on outward Foreign Direct Investment.

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.

Happy Holidays!