



**GARRISON ACADEMY FOR CAMBRIDGE STUDIES,  
LAHORE CANTT**

**SUMMER VACATION HOMEWORK 2018 (Class O'III)**

Dear Students,

**Please Note**

**Fee Bill**

1. Please make sure to get the fee bill for June till August 2018 from your class teacher for timely deposit in the bank.
2. In case the fee bill is misplaced, you can get a copy from the Fee Clerk during office hours. GACS office will remain open during Summer Vacation.

**Summer Vacation Homework**

3. Summer Vacation will commence from 28<sup>th</sup> May 2018.
4. Use punched pages for your homework.
5. Homework will be checked and marked by the teachers.
6. Good effort will be rewarded.

**Regular Classes for O'III**

7. GACS will reopen on 16<sup>th</sup> July 2018.

Enjoy your vacation.

Principal  
(Dr. Rubeena Anjum)

**ENGLISH (SUBJECT CODE: 1123)**

Attempt English (1123) Papers (1 and 2) of May/Jun 2017 and Oct/Nov 2017.

Read specimen answers from Red Spot Past Papers and evaluate their strengths and weaknesses.

**Reading:**

1. The Alchemist (Paulo Coelho)
2. Twilight in Delhi (Ahmed Ali)

**MATHEMATICS (SUBJECT CODE: 4024)**

Attempt past papers questions from the year 2014-2017 related to the following topics :-

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 1. Coordinate Geometry             | 2. Matrices                         |
| 3. Trigonometry                    | 4. Mensuration                      |
| 5. Congruent and Similar Triangles | 6. Solutions to Quadratic Equations |

**ADDITIONAL MATHEMATICS (SUBJECT CODE: 4037)**

Attempt past papers questions from the year 2014-2017 related to the following topics :-

- |                        |                                  |
|------------------------|----------------------------------|
| 1. Sets                | 2. Quadratics                    |
| 3. Coordinate Geometry | 4. Linear Law                    |
| 5. Trigonometry        | 6. Circular Measure              |
| 7. Binomial Theorem    | 8. Permutations and Combinations |

**PHYSICS (SUBJECT CODE: 5054)**

Attempt past papers questions from the year 2012-2017 related to the following topics :-

1. Thermal Physics (Temperature, Transfer of thermal energy, Thermal properties of matter, Kinetic model of matter)
2. Light, Waves and Sound (Waves, Sound, Electromagnetic Spectrum, Reflection and Refraction of Light)

**CHEMISTRY (SUBJECT CODE: 5070)**

1. Write down whole details of electrolysis of molten NaBr, CuCl<sub>2</sub> and aqueous NaOH, CuSO<sub>4</sub> and K<sub>2</sub>SO<sub>4</sub>.
2. Solve five sample questions from each of the following: Empirical and Molecular Formula, Percentage Yield, Percentage Purity and Volumetric Analysis.
3. Solve all theory questions from the past papers relevant to Energy Changes and Speed of Reaction.

**BIOLOGY (SUBJECT CODE: 5090)**

Attempt past papers questions from the year 2011-2016 related to the following topics :-

1. Transport in Mammals
2. Micro-organism and Biotechnology
3. Co-ordination and Response
  - a. Nervous system
  - b. Eye
  - c. Glands

**COMPUTER SCIENCE (2210)**

Solve all questions from past papers relevant of Chapter 1 to 8.  
Solve end of chapter questions of Ch 9 to 11 from the textbook.

**PRINCIPLE OF ACCOUNTS (SUBJECT CODE: 7110)**

Attempt past papers questions from the year 2013-2017 related to the following topics :-

1. Double entry system
2. Books of original entry
3. Bad debts and allowance for doubtful debts
4. Non-current assets accounting
5. Financial statements of sole trader
6. Bank reconciliation statement
7. Control Accounts
8. Suspense accounts and errors

**BUSINESS STUDIES (SUBJECT CODE: 7115)**

Revise Section 1, 2, 3 and 4 in detail.

Attempt any three past papers in writing from 2012 to 2017 of your choice related to section 1, 2, 3, 4.

Section 1 and 2 of International case studies.

**ECONOMICS (SUBJECT CODE: 2281)**

Attempt past paper questions from the year 2012-2017 (MCQs Structured Questions and Case studies) and related topics must be revised :-

1. The basic economic problem
2. Allocation of resources: how market works
3. Individual as producer, consumer and borrower
4. Private firm as producer and employer
5. Role of Government in an economy
6. Developed and Developing Countries

**Websites for Reference:** Logon to the websites for updates:-

- [www.cambridgeinternational.org](http://www.cambridgeinternational.org)
- [www.xtremepapers.com](http://www.xtremepapers.com)
- [www.cambridgestudents.org.uk](http://www.cambridgestudents.org.uk)
- [www.gacs.lges.edu.pk](http://www.gacs.lges.edu.pk)
- [www.facebook.com/gacs.lges](https://www.facebook.com/gacs.lges)