



Summer Assignments A Level June 2017

ENGLISH

TASK 1 - IMAGINATIVE WRITING

Write a descriptive piece called 'The Mountain'. In your writing create a sense of atmosphere, weather, and focus on colors and sounds to help your reader, imagine the scene.

(600-900 words)

TASK 2 - READING

Read page no. 20-30 from your text book and analyze the text for implicit and explicit meanings.

PHYSICS

Solve the structured questions from the past paper of chapters 17, 18, 19, 23, 24. Students will solve these questions for session 2011, 2012, 2013, 2014, 2015, 2016 (March series, May-June series and Oct-Nov series)

CHEMISTRY

Diabetics must monitor the concentration of glucose in their blood because, as we've seen, high blood sugar leads to excessive loss of NADPH in the reduction of glucose.

Many commercial glucose monitors are based on oxidation-reduction chemistry of the sugar.

Outline the following topics related to diabetes monitoring:

- Electrochemistry
- Reduction Potentials
- Accu-Chek meter

MATHS

- Students will do the topical past papers (first 30 questions from each topic) from gceguide.xyz.com for the following topics
 - Algebra and further algebra
 - Trigonometry
 - Logarithms
 - differentiation

BIOLOGY

A LEVEL BIOLOGY HOLIDAYS HOMEWORK

➤ Prepare a project file with following topics:

Instructions:-

- [One side include explanation of the topic and the other side include its diagrammatic representation]
- [Use only pencil to draw diagrams]
- Try to complete on one sheet only.

1. ATP synthesis (chemiosmosis).
2. The kreb cycle.
3. Oxidative phosphorylation: the electron transport chain.
4. Mitochondrial structure and function.
5. Cyclic photophosphorylation.
6. Non cyclic photophosphorylation.
7. The calvin cycle.
8. L.S of kidney.

➤ Also solve past papers (structured question paper) from session 2011 to 2016 involving content from respiration and photosynthesis chapter.

*All work needs to be submitted in a file or a notebook

*Each activity will be marked.