

MERCYLAND INTERNATIONAL COLLEGE, ABEOKUTA.

HOLIDAY ASSIGNMENTS

Mathematics SS 1

Macmillian Progressive Mathematics for S S S 1

Page 143, Revision Exercise

Chapter 1 (Section A): Solve question 5 and 19

Chapter 2: Solve question 3 and 15

Chapter 3: Solve question 2 and 12

Chapter 5: Solve question 2 and 3

Chapter 8: Solve question 2 and 16

FINANCIAL ACCOUNTING SS 1

- 1 Answer revision questions IX and 9X, chapter 8 in Simplified and Amplified Accounting by A.O Longe (page 80)

English Language SS 1

Write a good composition on Question 2 of the 2nd Term examination – Write an article for publication in your school magazine on the topic: “Why I should like to be” Choose an occupation or career and give at least 3 reasons for your choice

Biology S S 1

Read up “Microorganisms around us”. Answer revision questions 1, 2, 3, 5 and 6 (Essential Biology pg 201 – 207)

Christian Religious Knowledge S S S 1

- 1 Define humility
- 2 Identify the benefits of humility

Computer Studies SS 1

1. Mention any four types of ICT
2. List and explain three types of Data networks

Yoruba SS 1

Se akosile awon isori oro ti a ni, ki o si salaye won ni okookan

Literature – in – English SS 1

Give a detailed account of the poem (Piano and Drums)

Catering and Craft SS 2

1. Write out the recipe for cooking any local food and the methods of preparation
2. Write five advantages of planning menu

Geography SS 1

1. Define Map
2. Describe any five types of Map
3. Draw the sixteen cardinal points

Agricultural Science SS 1

Read up “Animal Nutrition” and answer revision questions 6, 7, 8, 13, 15. (Essential Agric pg 329 – 338)

Physics SS 1

1. A body accelerates uniformly from rest at 2ms^{-2} . Calculate its velocity when it has travelled a distance of 9m.
2. A body weighing 14N in air is partially immersed in water. If the mass of water displaced in the process is 200g, calculate the up thrust on the body. ($g= 10\text{ms}^{-2}$)

Further Mathematics SS 1

1. Solve $3^{2x} - 3^{x+2} = 3^{x+1} - 27$
2. Given that $f(x) = 2x^2 - 3$ and $g(x) = x+1$. Where $x \in \mathbb{R}$, find g of (x)
3. If $P = \{n^2 + 1: n = 0,2,3\}$ and $Q = \{n + 1: n = 2,3,5\}$
Find $P \cap Q$

CHEMISTRY**SS 1**

- 1 (i) Explain the difference between empirical formula and molecular formula.

(ii) The molecular mass of nicotine is 162.1 and it contains 74.0% carbon, 8.7% hydrogen and 17.3% nitrogen. Determine the
 - I. empirical formula of nicotine
 - II. molecular formula of nicotine. [N= 14, C= 12 H= 1]
- 2 The table below shows the result obtained on exposure of three compounds **P**, **R** and **S** to air for a few hours.

Compound	State of compound before exposure to air	State of compound after exposure to air
P	Crystals	Crystals dissolve to form saturated solution and mass increases
Q	Crystals	Crystals become wet and sticky, mass increases
R	Crystals	Crystals crumble into powder, mass decreases

- (i) State the phenomenon exhibited by **P**, **R** and **S**.
- (ii) Which of the three compounds can be used as a drying agent?

GOVERNMENT SS 1

1. What is rule of law?
2. Highlight the principles of rule of law

COMMERCE SS 1

1. Give any five advantages of advertising
2. What are five distinctive merits of television as a medium of advertising?

ECONOMICS SS 1

1. Discuss the similarities and differences between a co – operative society and a limited liability company.

CIVIC EDUCATION SS 1

- 1a. Define Democracy?
- b. List 3 major pillar of Democracy
2. Define a.) Rights
b.) Authority

c.) Obligations

3. List 5 preventive measures against cultism.