MERCYLAND INTERNATIONAL COLLEGE, ABEOKUTA

HOLIDAY ASSIGNMENTS

Mathematics   SS 2

Macmillian Progressive Mathematics for S S S 2

Page 128, revision Exercise

Chapter 1: Solve question 6 and 9

Chapter 2: Solve question 20 and 21

Chapter 3: Solve question 3 and 18

Chapter 4: Solve question 6 and 7

Chapter 6: Solve question 6 and 13

FINANCIAL ACCOUNTING   SS 2

1   Answer revision questions IX and 9X, chapter 34 in Simplified and Amplified Accounting by A. O Longe (pages 381 – 386)

English Language   SS 2

Write a good composition on Question of the 2nd Term examination – Give an account of what you would do if you were responsible for improving the health of your people in your town or village. Your answer must be suitable for publication in your school magazine.

Civic Education   S S 2

Explain gender discrimination and its implication to the Nigeria society

Biology S S 2

Read up "Transport Systems". Answer revision questions 6, 8, 9, 12 and 13 (Essential biology pg 275 – 300)

Christian Religious Knowledge   S S S 2

Discuss the disobedience of Jonah and the immediate consequences

Computer Studies   SS 2

1   Define Algorithm and Flowchart

2   State three characteristics of an Algorithm with examples

Yoruba   SS 2

Se iyupale iwe Litreso Ere Onise "Ore Mi" lori awon akori wonyi

A   ko koko tabi eki meji ti ori fayo ninu iwe ore mi

b.   itan / ere ni soki

c.   se alaye lori eda itan bii Sola. Kunbi, Femi

Literature – in – English   S S 2

Comment on the poetic devices employed by the poet in this poem: Shall I compare thee to a summers day?

Catering and Craft   S S 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 2

Draw a sketch map of Nigeria and locate one area known for each of the following cottage industries:

1   Leather works
2   Wood carving
3   Brass and silver works
4   Ropes and Mat making
5   Textile / cloth weaving
6   Pottery and glass making

Agricultural Science   SS 2

Write a concise note on the husbandry of the following crops:

1   Maize
2   Rice
3   Cassava
4   Tomato
5   Groundnut
6   Cowpea

(Essential Agric pg 133 – 166)

Physics   SS 2

1.   Ice of mass 50g at 0^0C was completely melted by 70% of the total heat energy supplied. Calculate the total heat energy supplied. (specific latent heat of fusion of ice = $336Jg^{-1}$)

2.   Two plane mirrors are inclined at an angle 20^0 to each other. Determine the number of images formed when an object is placed between them.


Further Mathematics   SS 2

1.   Given that   a = 5i + 4j

                          b = 3i + 7j

       Evaluate (3a – 8b)

2.   Find the magnitude and direction of the vector P = (5i + 12j)

3.   Find the coefficient of x^4 in the expansion of $(1 – 2x)^6$

CHEMISTRY   SS 2

1a.   Give the balanced half equations for the reaction

       $Cu_{(s)} + Ag_{(aq)}^+$ --------- $Cu^{2+} + 2Ag_{(s)}$. State the change in the oxidation number of the oxidizing
agent

 b.   Consider the reaction represented by the following equation:

       $2MnO_4^- + 5C_2O_4^{2-} + 16H_{(aq)}^+$ -------- $2Mn^{2+}_{(aq)} + 8H_2O_{(l)} + 10CO_{2(g)}$
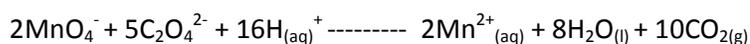
       Write down:

(i)   the species undergoing reduction giving reasons;

(ii)   the reducing agent giving reasons;

(iii) the reduction half equation;

(iv)   one observation made during the reaction

2   Consider the following equilibrium reaction:

       $N_2O_{4(g)}$ ----- $2NO_{2(g)}$, ΔH= + 58.2$KJmol^{-1}$
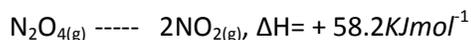
       What would be the effect of the following factors on the position of equilibrium on the reaction?

       (i) Increase in temperature;

       (ii) Decrease in pressure;

       (iii) Decrease in volume of reaction vessel.

GOVERNMENT SS 2
1. What is centralization?
2. What is decentralization?
3. What are the advantages / reasons for centralization and decentralization.

COMMERCE SS 2
1. What is consumerism?
2. Give three reasons why consumers need protection
3. State any five measures taken by government or associations to protect consumers in Nigeria.

ECONOMICS SS 2
1. What do you understand by location of an industry?
2. What are the factors that determine the location of an industry?