Second Term 2011/2012 Vacation Assignments
Class: SS1

Subject: Biology

1   Describe how you would carry out the test for protein using Burette test
2   Name the habitat (Biome) in which loaming soil is found
3   Using the following organisms, prepare a food web, hawk, green plants, fish, termites and grasshopper

Subject: Economics

1. (a) Define the term 'Population'
    (b) What is population census?
    (c) List seven importance of population census
    (d) State seven problems of census in West Africa
2. Explain the following terms:
    i.   Optimum-population
    ii.   Over-population
    iii. Under-population
3. Explain what is meant by:
    a. Labour force
    b. Labour market
4. Briefly discuss the issue of efficiency of labour and the factors on which it depends.
5. (a) What do you understand by mobility of labour?
    (b) Explain the various factors that contributes barriers to mobility of labour
6.   List and explain the factors that can determine the size of the labour force in any country.
7.   (a) Who is a retailer?
     (b) What are the functions of a retailer?
     (c) List and explain five advantages of the wholesaler and retailer respectively.

Subject: Computer studies

1   Write short notes on the following applications of ICT
        (a) Teleconferencing
        (b) Video conferencing
        (c) Networking
2   (a) List some ICT-based gadgets that you know
     (b) Describe the operation of any one of the ICT-based gadgets mentioned above

Subject: Mathematics

1   (a) Copy and complete the following table of values for the relation

$Y = x^2 - 2x - 1$ for $-2 \leq x \leq 4$

-2	-1	0	1	2	3	4
		-1			2	7

(b) Draw the graph of the relation using a scale of 2cm to represent 1unit on x-axis and 2cm to represent 2unit

(c) Using your graph, find the:

   (i) roots of the equations $x^2 - 2x - 1 = 0$

   (ii) minimum value of   y

(a) i. Using the same axis draw the graph of $y = 2x - 3$

   ii. From your graph, determine the roots of the equation $x^2 - 2x - 1 = 2x - 3$

2   In a Survey of 290 newspaper readers, 181 of them read the Daily Times, 142 read the Guardian, 117 read Punch and each reads at least one of the three papers. If 75 read the Daily Times and the Guardian, 60 read the Daily Times and Punch, and 54 read the guardian and Punch.

(a) Draw a Vein diagram to illustrate this information

(b) How many readers read:

   i.   all three papers

   ii.   exactly two of the papers

   iii.   exactly one of the papers

   iv.   the Guardian alone

SUBJECT: FRENCH

(A)   Conjuguer les verbes: "aller", "manger" et "finir".

   I.   Au future

   II.   Au conditionnel

   III.   Au l'imparfait

(B)   Completez avec les articles

   I.   Le sac est noir, _____ tasse est cassee

   II.   Je vais _____ ecole chaque Lundi

   III.   Vous venez _____ banque

   IV.   Ils vont _____ Hotel la Concorde

   V.   Elle vient _____ restaurant

C R S

Describe 5 (five) possible ways of curbing (preventing) greed in our society.

GEOGRAPHY

1 Draw a well labeled diagram showing the internal structure of the earth.

2 Sial and Sima are two sub- layers of lithosphere. Draw a diagram illustrating how sial rests on Zima.

3 Mention and explain the outer zones of the earth.

CHEMSTRY

1 Write TEN Questions and solutions on gas laws i.e

a Boyle's law   b. Charle's law c. General gas equation d. Ideal gas equation.

e Dalton's law of partial pressure.

SUBJECT: PHYSICS

1. State the relationship between resistivity of a material and its conductivity
   (B) Explain briefly how the following affect the electrical resistance of a conductor

   (I)   Length (II) Cross sectional area (III) Temperature

2. State the assumption of the molecular theory of matter.
(B) Define surface tension and outline very briefly three situations in which the phenomenon of surface tension is exhibited

(C) Give the molecular theory explanation of capillarity.

3. State Hooke's law
(B) Define (I) Elastic limit (II) Tensile strain (III) Yield point (IV) Young modulus.

(C) A metal bar of length 1.0m and uniform cross-sectional area $10^{-5}m^2$ extends by 1.5mm when a force of 200N is applied. If the elastic limit is not exceeded, calculate (I) the tensile stress (II) Tensile strain (III) Young modulus for the metal

SUBJECT: YORUBA

(1)   Nje iwo gbagbo wipe eru ati iwofa yato si ara won? Dasi oro yii.
(2)   Se itumo awon owe yii:
    (i)   Agba kii wa loja ki ori omo titun wo.
    (ii)   Agutan toba baja rin a je gbe
    (iii)   Aja kii roro ki o so ojule meji
    (iv)   Aiku egiri a kii fi awo re se gbedu
    (v)   Aisi nile ologbo ile dile ekute
(3)   Se itumo awon akanlo ede yii:
    (i)   Epa ko boru mo
    (ii)   Te iru oka mole
    (iii)   Domi sehin igba
    (iv)   Okete boru
    (v)   Fi enu fera

SUBJECT: English Language

COMPREHENSION

Read the following passage carefully and answer the questions on it.

  'Look out, look out', shouted his mother in <u>panic</u>. He saw it, nearly too late, he swerved sharply to the left bringing the car to halt mere inches short of a telegraph pole on the off-side of the road. He had very narrowly avoided a head-on collision with a lorry. Indeed, he had been very fortunate for his vehicle would have somersaulted a thousand and one times. He had mistaken the oncoming vehicle for a motor-cycle because it had not dropped. It was at the last minute that the motor-cycle had suddenly <u>metamorphosed</u> into a lorry- with near-disastrous consequences. 'My God! My God!' Deborah cried in fright. Dende climbed out of his car, fuming. The driver of the lorry had stopped. He too came out and shouted: 'Why won't you drive carefully? You nearly ran into my lorry!'

  'You must be mad, you senseless idiot, Dende answered him, shaking with <u>rage</u> and from the shock of the averted accident. 'Don't you call me an idiot, I tell you,' the driver cried. 'And don't you tell me I'm mad. 'There is madness in my family history. You appear to be a big man. This is the only reason why I refrain from calling you mad yourself".

Why on earth don't you have both head lights working properly? 'The other one is not working. The mechanic tried to get it working but it just wouldn't work. And what am I to do, mother?' he appealed to Deborah as if to say: I know you are his mother or his aunt but his case here is so straight forward that you, his relative cannot but agree that I'm right and he is wrong? 'What can I do? Can I pluck out one of my eyes to fix it on the lorry, can I? I tell you I will not. Not even if my <u>master</u> pays me forty thousand naira a month". You are talking rubbish, "Dende said helplessly.

QUESTIONS.

1. What did Dende's mother shout at?
2. What was the reaction of Dende?
3. What was the near-disastrous consequence?
4. Why is the words 'motor-cycle' put in inverted commas?
5. ……a thousand and one time'
   What figure of speech is this?

For each of the following words find another word or phrase that means the same and can replace it as it is used in the passage.

6 (I) panic (II) halt (III) oncoming (IV) metamorphosed (V) rage (IV) master.

STRUCTURE

Write down the meaning of the following phrasal verbs in your exercise book.

(I) run down (II) run out (III) run off (IV) run through (V) run up (VI) run in.

Vocabulary Development

Explain the duties of the following in a hospital setting.

(I)   A nurse (II) a gynecologist (III) a dentist (V) a dentist (V) a technologist.

SUBJECT: LITERATURE-IN-ENGLISH

AFRICAN PROSE

A woman in her Prime: Asare Konadu

Questions

1 Write notes on the following characters

(a) Kwadwo (b) Koramoa (c) Kofi Daafo (d) Afusa Fofie (e) Yaw Boakye (f) Kofi Badu.

2 Summarize chapters 7 and 8 of the novel (A woman in her prime by Asare Konadu).

SUBJECT: COMMERCE

[1a] Survey your environment and list all the occupations observed. Group these occupations into a three-column table consisting of commerce, industry and services.

[2] What are the benefits of insurance to society. List five insurance policies and explain what they are for.

 FINANCIAL ACCOUNTING

[1]Trace the History of Accounting.

[2a] Define the following terms:-

[i] Fixed assets.

[ii] Current assets.

[iii] Net profit.

[iv] Fictitious asset.

[v] Accruals.

[vi] Overtrading.

[vii] Cost of goods sold.

[viii] Gross profit.

[ix] Purchases.

[x] Sales.

[3] Explain the purposes of preparing:-

[i] Trading account.

[ii] Profit and loss account.

[iii] Balance sheet.

[4][i] Why should a firm maintain departmental account.

[ii] State four classes of cost revealed by manufacturing account.

AGRICULTURAL SCIENCE

1. What is a cell?

2. Define the term 'animal tissue'.

3. Mention five body tissues in animals.

4. State four forms of feathers.

5. List three layers of hairs.

6. Outline six functions of the skin.

7. Mention five systems that constitute the body of an animal.

8. What are monogastric animals?