**TAKE HOME ASSIGNMENT SS 1**

**Health Education.**

Mention 5 Communicable Diseases and Explain.

**Biology**

1. With the aid of labelled diagrams, describe how muscle act on bones to cause the movement of fore limbs or elbow joint.
2. Explain why an athlete in a race would be given a glucose drink rather than a piece of bread.

**Electrical Installetion / Maintenance**

 Draw and construct wiring diagram of a lamp controlled by a one - way single pole switch.

**DEVOIR DES VACANCES**

 FRANCAIS

Conjuguez les verbs Suivants au temps passé & compose.

1. Manger
2. Arriver
3. Habiter
4. Danser
5. Rester

**Economics**

1. Outline:
2. Importance of Agriculture
3. Problems of Agriculture
4. Solution to the problems of Agriculture in West Africa.
5. Define :
6. Range
7. Mean deviation
8. Variance and
9. Standard deviation
10. Find the Range and mean deviation of the following numbers: 5, 6, 7, 10, 12

**Physics:**

**n** = 20.0, Oscillations, h = 20.0cm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| H(cm)  |  t(s) | L = ( H – h)cm |  T(s)1 | T2 (s 2 ) |
| 110 | 42.1 |  |  |  |
| 100 | 40.14 |  |  |  |
| 90 | 38.08 |  |  |  |
| 80 | 35.9 |  |  |  |
| 50 | 28.4 |  |  |  |

 Hint : T = t/n

1. Copy and complete the table of readings above using the required decimal points per column.
2. Plot a graph of L against T2.
3. Find the slope(s) of your graph.
4. Read and record the intercept, I on the Vertical axis.

Evaluate : K1 = $\frac{4}{S}$

 K2 = $\frac{I}{S}$

2a) State Hooke’s Law and define electric field.

b) State Ohm’’s law and calculate the combined resistance below between – P and Q.

 5 Ω

 3Ω 2Ω

Q

P

 10 Ω

3i) What is surface tension in liquids?

(ii) List two effects of surface tension.