FATHER PHILIP AGU SPIRITAN ACADEMY, AKABO

<u>**TAKE-HOME ASSIGNMENT FOR JSS 1 STUDENTS, MID-TERM BREAK 2025**</u>

SUBJECT : AGRICULTURAL SCIENCE

1. State 3-roles played by each of the following factors of soil formation

a) Time

b) Rainfall

c) Parent material

d) Topography

e) Biota

2. a) What is organic matter?

b) State 5 roles of organic matter in crop production

SUBJECT : BIOLOGY

1a.   With the aid of a labelled diagram, explain the two major zones of the lentic aquatic habitat.

1b.   Name three plants and three animals associated with each of the zones.

1c.   Describe the adaptive features of the plants and animals named above

1d.   Give an example of food chain in a fresh water habitat.

2.   Explain briefly reproduction in snail

3.   Describe the stages in the development of toad.

SUBJECT: CHEMISTRY

1a. Briefly write on the following :

i) PH of a solution

ii) POH of a solution

iii) PH scale

1b. You are provided with five solutions: A, B, C, D and E with PH values as follows : A= 4.0, B=3.0, C=8.5, D=7.0, E=12.0, State which of the solutions is :

i) acidic

ii) basic

ii) neutral

2a. What is a salt ?
2b. Write briefly on the five types of salts (give their examples in each case)
3. Write briefly on the following:
a) efflorescent
b) deliquescent
c) hygroscopy (give their examples in each case)

SUBJECT : LITERATURE

Do the assignment in your Literature-in-English short exercise book.
"Thrice nobler than myself,
Thou teachest me, O valiant..., what I should and thou couldst not."
{From Antony and Cleopatra by William Shakespeare}

1. Who makes the above statement?
2. Who is the Speaker addressing?
3. The statement can be referred to as an 'Apostrophe'. Explain.
4. The incident can be seen as ironical. Discuss.

SUBJECT : MATHEMATICS

1. Use the following roots to form quadratic equation
a) -3 and 2 (b) 1 and -1/2
2. If $A = 1/4 \, Rd \, 2$, make d the subject of the formular
3. Find the 3 rd and 12 th terms of the sequence, whose nth term is $4n + 3$
4. Solve the following quadratic equations by factorization
a) $X^2 + 5x + 6 = 0$
b) $2x^2 + 5x + 3 = 0$
5. 48, 24, 12……. Is geometrical progression, find
a) Common ration
b) 8 th term

SUBJECT : PHYSICS

1a) With the aid of diagrams, explain 3 methods of charge product
1b) What causes lightning?
2a) what are the processes involved in magnetizing a magnetic material using electric method?
2b) What relationship exists between magnetic lines of force and field strength?

ASUSU : IGBO

1. Kọwaa ihe bu akaọrụ
1b. Depụta akaọrụ Asaa e jiri mara ndị Igbo.
2. Gosiputa ịlụ Igbo ise ndị imaara.

SUBJECT : DATA PROCESSING

Instruction: All names and class must be typed none of them should be handwritten. Then print it out

and submit.

1. Using Microsoft excel create a student table showing:

i) names (surname and first name)

ii) class

iii) subjects and their scores

iv) calculate the total scores.

SUBJECT : ECONOMICS

1.   What is barter system of exchange

2.   State and explain 10 problems associated with barter system of exchange.

SUBJECT : GEOGRAPHY

1. Outline four factors that retard tourism development in Nigeria
2. Suggest three ways by which tourism can be promoted in Nigeria

SUBJECT : CIVIC EDUCATION

Nigeria is a democratic country, but many citizens feel disconnected from governance.

Discuss.

1. Five key roles of responsible citizens in promoting democracy.

2. How you, as a secondary school student, can contribute to national development.

3. Suggest three practical ways young people can participate in solving issues like corruption or election

malpractice in Nigeria.

SUBJECT : ENGLISH LANGUAGE

1. a. What is a Complex Sentence?

   b. With example sentences, show the types of subordinate clauses that may be found in a complex sentence.