

**COMMAND SCIENCE SECONDARY SHOOOL LAFIA  
TAKE HOME ASSIGNMENT  
SUBJECT: ENGLISH LANGUAGE**

**CLASS: SS1**

**Question 1**

The intensifying rate of insecurity in Nigeria has become a matter of public concern following the series of school terrorism and abduction. As the Student president of Command Secondary School Students of Nigeria, write a letter to the Chief of Army Staff through the Nigeria Army Education Corps Commander, suggesting brilliant Security measures that may aid in combating and ending the insecurity trend.

**Question 2**

Outline the twenty (20) vowel sounds of English Language with twenty (20) examples of words for each. Underline the sound in each word.

**Question 3**

Outline twenty-four (24) consonant sounds of English with twenty (20) examples of words for each. Underline the sound in each words.

**COMMAND SCIENCE SECONDARY SHOOOL LAFIA  
TAKE HOME ASSIGNMENT  
SUBJECT: TECHNICAL DRAWING (T.D)  
CLASS: SSS 1**

**INSTRUCTIONS:**

- a. Use clean A4 sheets.
  - b. Draw with instruments only unless stated otherwise.
  - c. Label every diagram neatly.
  - d. Submit on or before the first day of resumption
  - e.
1. (a) Define a quadrilateral.  
(b) Using your drawing instruments, construct a parallelogram with sides 80 mm and 50 mm making an angle of  $60^\circ$ .  
(c) From your construction, measure and state its:
    - i. Opposite angles
    - ii. Length of the diagonal AC
  2. Construct a trapezium ABCD in which:  
AB = 90 mm (bottom base)  
CD = 60 mm (top base)

AD = 50 mm (left side)

BC = 50 mm (right side)

3. (a) Explain the meaning of scale in technical drawing.

(b) Construct a plain scale of 1:50 to measure up to 3 metres.

(c) From your scale, read and show the drawing length that represents 1.4 metres.

4. (a) Construct a regular hexagon inside a circle of radius 30 mm.

(b) From your construction, show:

i. Centre O

ii. One radius

iii. One diagonal

iv. One internal angle

5. (a) Construct an isosceles triangle ABC with equal sides 70 mm and base 60 mm.

(b) Inscribe a circle inside the triangle (incircle).

(c) Mark the in-centre and measure the radius of the incircle.

6. Construct the following angles using geometrical methods only:

(a)  $45^\circ$

(b)  $75^\circ$

(c)  $105^\circ$

(No protractor is allowed. Use only compass and straightedge.)

## **COMMAND SCIENCE SECONDARY SCHOOL LAFIA**

### **TAKE HOME ASSIGNMENT**

#### **SUBJECT: CHEMISTRY**

#### **CLASS: SSS 1**

1. Define acids, bases and salts with two examples each.

2. State three properties of acids and three properties of base.

3. Explain the term “neutralization” and write one balanced equation.

3. Classify the following as strong acid, weak acid, strong base or weak base:

(a) HCl

(b)  $\text{CH}_3\text{COOH}$

(c) NaOH

(d)  $\text{NH}_4\text{OH}$

4. What is the pH scale? State the pH ranges for acids, bases and neutral substances.

**COMMAND SCIENCE SECONDFARY SHOOOL LAFIA**

**TAKE HOME ASSIGNMENT**

**SUBJECT: GEOGRAPHY**

**CLASS: SS1**

1a. Name different types of rock and discuss the characteristics and mode of formation of each of the rock.

b. Give an account of the economics importance of rocks. And describe the characteristics of each of the following rock types.

(i) Granite (ii) Limestone (iii) Graphite

2a. Name three (3) types of mountain and give a good example of each.

2b. Describe the process of formation of each of the different types of mountains

2c. In what four (4) ways are mountains of great importance to man.

**COMMAND SCIENCE SECONDFARY SHOOOL LAFIA**

**TAKE HOME ASSIGNMENT**

**SUBJECT: ECONOMICS**

**CLASS: SS1**

1. Define the means of business organization, firm and industry

2. List the types of business organization and their features.

3. Identify the problem of business enterprise.

**COMMAND SCIENCE SECONDFARY SHOOOL LAFIA**

**TAKE HOME ASSIGNMENT**

**SUBJECT: MATHEMATICS**

**CLASS: SS1**

1. Give the equation  $a = \frac{b+x}{b-x}$  make  $x$  the subject of the formula.

2. A man walks for 2 hours at a certain speed. He then cycles at three times that speed for 4 hours. He goes 77km altogether. Find the speed at which he walks.

3. The change for telephone calls,  $T$ , is partly constant and partly varies with number  $n$  of units of call. The bill for 420 units of call is ₦806, while the bill for 200 units is ₦410.

a) Obtain the change per unit of call.

b) Find a formula for  $2\frac{1}{2}$  and  $-1$

**COMMAND SCIENCE SECONDFARY SHOOOL LAFIA**

**TAKE HOME ASSIGNMENT**

**SUBJECT: PHYSICS**

**CLASS: SS1**

1. Define energy, work, and power and state all their unit.

2. Show that  $K.E = \frac{1}{2}mv^2$ .

3. Mention any ten (10) sources of renewable energy.

4. Define simple Harmonic motion.

5. Show that  $P.E = mgh$