

**COMMAND SCIENCE SECONDARY SCHOOL,  
LAFIA, NASARAWA STATE  
TAKE HOME ASSIGNMENT FOR SS2**

**ENGLISH LANGUAGE**

Write an essay on the negative impacts of 'Social Media' on Nigeria students in not less than 450 words. (Show the outline)

**CHEMISTRY**

Answer All Questions

1. Write the structure formula of the following

- a. Propanol
- b. Propan-2-ol
- c. 2-Methylpropan-2-ol

2. What amount of magnesium that could contain  $1.20 \times 10^{24}$  particles (Mg=24, Avagadro's constant= $6.02 \times 10^{24}$ )

3. Calculate the volume occupied by 17g of H<sub>2</sub>S at S.T.P (H=1.00, S=32.0, Molar volume= $22.4 \text{ dm}^3$ )

**General Maths**

ANSWER ALL QUESTIONS.

1. Evaluate the following leaving your answers in 3 s.f

i.  $9.21^4$

ii.  $\sqrt[5]{93.6}$

2. Express 0.5192 in  $A \times 10^n$  form.

3. Using log tables evaluate  $\sqrt{0.2853^5}$

**ECONOMICS**

- (1) Define Elasticity of Demand
- (2) Explain price elasticity of demand,
- (3) Explain income elasticity of demand,
- (4) Draw curves showing unitary elasticity and Zero elasticity of demand.

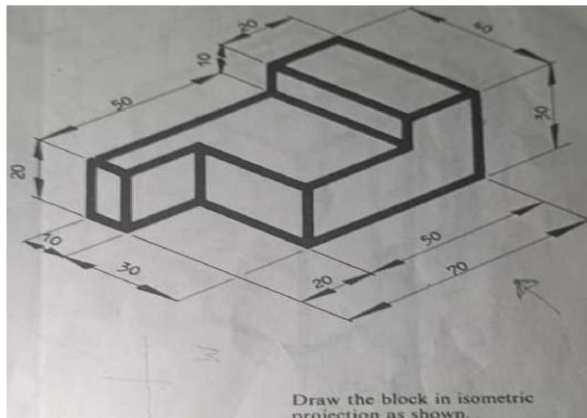
**MARKETING**

Use your marketing textbook. Read and make note on the following Topics:

1. Promotion. Meaning of sales promotion.
2. Forms of promotion. Pricing, Coupon, Salesmen, loyalty Schemes, Premium offers and Word of Mouth.

**TECHNICAL DRAW**

Draw in Isometric and Oblique projection using scale 1:1



## **AGRICULTURAL SCIENCE**

- 1a) With the Aid of a labelled diagram, Show Soil profile and its Horizons
- 1b) Explain the characteristics of each Horizon
- 2a) Mention and explain two importance of the following to agricultural production Soil air, Soil organisms, Humus content, Soil-water.
- 3a) Draw and label the following pests of crops, Grasshopper, caterpillar
- 3b) what are their economic importance
- 3c) Explain four major factors of agricultural production you know

## **PHYSICS**

An Electric heater, rated 40v, 80w fitted into an iron block of mass 6kg. Calculate the rise of temperature of the block. If the current flow through the block for 12 minutes specific heat capacity of iron is  $460\text{Jkg}^{-1}\text{K}^{-1}$

## **CIVIC EDUCATION**

1. Vividly explain the relationship between NAFDAC and NDLEA as an Agencies that helps in reducing the rate of drug abuse in Nigeria
2. Itemize five ways by which citizens exercise their popular participation
3. Highlight five importance of popular participation

## **BIOLOGY**

1. Define Conservation
2. Enumerate five (5) economic importance of tape-worm
3. Explain the following
  - i. Pest
  - ii. Disease
4. In a tabular form state five (5) name of disease, causative agent and symptoms of animals
5. Distinguish between sexual reproduction and asexual reproduction

## **GEOGRAPHY**

- 1a. Define environmental problems
- b. List the types of environmental problems
2. Explain at least five environmental problems
3. Explain Ozone layer and three effect of Ozone layer
4. Explain Mineral Resource
- b. Explain Renewable and Non Renewable resources and their examples each

## **DATA PROCESSING**

1. Define Data Modelling
2. Explain the different approaches to data modelling

## **MARKETING**

1. Define transportation in marketing
2. List and explain mode of transportation your know
3. List and explain documents used in transport