

SECOND TERM RESEARCH QUESTIONS

2ND TERM RESEARCH QUESTION FOR JSS 1

ENGLISH:

Write the phonetic transcriptions of the following words ex market/ma:kit/

Civilians police balance plank thank those death omega beta better ever courage finance country correct culture zone road rope soap.

2. What is Diphthongs?

IGBO:

Gini bu Nzisa ozi?

Deputa nkenuudi nzisa ozi di iche iche ma kowa ha n'otu n'otu

Deputa omumaatu ha n'otu n'otu

MATHEMATICS:

Simplify $1+(-4) - (-3)$ using a number line

ii. Arrange in ascending order +5, -2, +9, +7, -5, - 4

2. What is the value of the a circle digit in 2(9)527

2b. Simplify $7m - 2n + 5m + 7n + 3$

C.R.S:

What is the meaning of Service?

Jesus service in Egyptians Explain

P.H.E:

Lists some Nigerian dances especially Igbo, Hausa Yoruba

FRENCH:

Write down twenty (20) adjectives and make a sentence with each in French

CIVIC EDUCATION:

Define co-operation and describe four factors that promotes co-operation

Explain the meaning of self-reliance and state its importance

What is Comparative advantage?

C.C.A:

Using a card board paper as the medium produce flowers or a paper hand bag

CATECHISM:

Write out the mysteries of the holy rosary and the days they are been said.

SOCIAL STUDIES:

Explain the meaning of culture

Identify the components of culture

Mention four features of culture and explain them

BASIC SCIENCE:

With the help of diagram, draw and label the three states of matters

What is matter?

Differentiate between plant and animals

Write short notes on this followings a. solar energy b. Mechanical energy c. Potential energy d. kinetic energy

HISTORY:

Importance of History, Historical sites in Nigeria. Nork Culture, ile ife culture

With your History workbook Pg 5,6,7,8 and 9

MUSIC:

Define Musical Scale

State 2 Categories of Scale

Write short note less than ten line on G F Handet

COMPUTER:

Application of IT in everyday life

PREVOCATIONAL STUDIES:

Methods of weed and pests control stating

Common examples of weeds with its botanical (scientific) name

Characteristics of weeds

Uses of weeds

Weed control methods

Effects of weeds and weed control measures in Agriculture

BASIC TECHNOLOGY:

1. Produce a base wood duster with above dimension or measurement of foam

i. mention the type of wood, tool used in the production of the duster

2. Use vertical lettering or inclined lettering to write A B to Z and 1 2 3 to O

3. Construct a Triangle of $AB = 73\text{mm}$, $BC = 105\text{mm}$ and $Ac = 56\text{mm}$

BUSINESS STUDIES:

1. Types of Business Ownership

Research and describe the differences between sole proprietorship, partnership, and limited liability companies.

2. Sources of Business Capital

Identify and explain the different ways people can get money to start a business.

JSS 1: ENGLISH:

How I spent my Christmas Holiday (not less than 200 words).

2ND TERM RESEARCH QUESTION FOR JSS 2

ENGLISH PHONETICS:

What is Diphthongs?

What is Intonation?

List three major kinds of intonations

IGBO:

Gini bu Ubiam na Aguu

Kedu ihe ndi kpatara aguu na uniam n'ala Naijiria

Deputa uzo di iche iche esi ekpochapu ubiam na aguu n'ala anyi.

C.R.S:

What is the Meaning of Miracle?

Mention the miracles of Jesus

List and explain those Christ Jesus heal through Miracle.

MATHEMATICS:

Remove the bracket and simplify $4 - 5(7 - 3x)$

Find the value of $a - 2b/3(x+y)$ When $a = 2$, $b = -8$, $x = 3$, $y = -5$

Solve and check the solution of the equation $\frac{3(2x-1)}{4} = \frac{4(x+2)}{3} - 3$

P.H.E:

List 10 Nigeria sport Hero and 10 Nigeria sports Heroines

FRENCH:

Write a composition about yourselves in French

CIVIC EDUCATION:

Discuss the rule of law in details

State the three organs/arms of government and their specific functions

Explain what is meant by Equality of all citizens before the law

C.C.A:

Using a card board as the medium of produce anything of your choice

CATECHISM:

Write out the following prayers i. the confiter ii. Act of Faith iii. Act of contrition iii. Act of hope iv. Act of charity

SOCIAL STUDIES:

Define drug trafficking

Identify four reasons for drug trafficking

Suggest four measures that can be adopted to solve the problem of drug trafficking

BASIC SCIENCE:

Write short notes on this following i. work ii. Energy iii. Power

In a tabular form differentiate between potential energy and kinetic energy

Calculate the work done when a force id 15N moves through a distance of 12m in the direction of the force

In a tabular form differentiate the similarities between Boiling and Evaporation

Mention four (4) factors that effects the rate of evaporation

HISTORY:

The Ebira, the Igbo the Urhobo with your history workbook Pg 4,5,6,7,8

MUSIC:

With the use of a pencil and ruler construct A major and D major

Define sight singing and mention four points on how to sight sing

Write short note not more than less 200 words on Franz Joseph Haydn

COMPUTER:

Graphic Packages

PREVOCATIONAL STUDIES:

Animal's pest and diseases control stating

Diseases of farm animals

Modes of transmission of farm animal's diseases

Symptoms of farm animal's diseases

Effect of diseases on farm animals

Methods of control and prevention of farm animal diseases

BASIC TECHNOLOGY:

Construct a triangle ABC such that $AB = 8\text{cm}$, angle $ABC = 60^\circ$ and $BC = 6\text{cm}$

2. State the difference between hard and soft solder

3. Explain forming tools with examples diagrams

BUSINESS STUDIES:

1. The Role of Marketing in Business Success

o Research and explain the importance of marketing in growing a business.

Discuss different types of marketing methods, such as direct and online marketing.

2. The Concept of Profit and Loss

o. Define profit and loss, explain how they are calculated, and why they are important for a business. You can also give an example of a small business and calculate its profit or loss based on given data.

JSS 2: ENGLISH

What is Myth?

Write on any mythically based story you know.

2ND TERM RESEARCH QUESTION FOR JSS 3

ENGLISH:

What is Intonation?

State at least five uses of any form of intonation

List the English Diphthongs with one examples of each of them

IGBO LANGUAGE:

Gini bu Anwuru ike?

Deputa omumaatu iri anwuru ike ndi imaara.

Deputa oghom di n'inu anwuru ike

Gosiputa iwu ndi Goomenti maka ndi na-arụ anwuru ike

Kedu ahuhu diiri ndi na-anu anwuru ike

C.R.S:

Read about Peter's divine release and death of Herod (Acts 12:1-24)

Write briefly the Ministry of Apostle Paul

P.H.E:

Draw Human Skeleton and label clearly

FRENCH:

Write a composition about your school in French

CIVIC EDUCATION:

Discuss the following Work, Attitude and Right Attitude to work

Outline the effects of negative behaviours in the society

Explain any three government agencies aimed at promoting positive attitudinal changes

C.C.A:

Produce a flower or plant motif design using a poster colour and a plain white handkerchief as the medium of production

SOCIAL STUDIES:

Explain the meaning of harmful traditional practices

Describe four types of harmful traditional practices

Suggest three measures to prevent harmful traditional practices

BASIC SCIENCE:

Mention four (4) effect of drug

Mention activities of drug control agencies NAFDAC/NDLEA

Use a diagram to illustrate the resources from living things and non living things

Draw the diagram of rainbow

HISTORY:

The Evolution of Nigeria states the Royal Niger Company (RNC)

MUSIC:

What is Cadences, mention four types of Cadences

Explain the following i. solo ii. Duet iii. Trio iv. Quartet v. singing

Write the relative minor or major of the following keys

G major _____ D minor _____ C major _____ F minor _____ B major _____

COMPUTER:

Internet

PREVOCATIONAL STUDIES:

Sewing machine and garment construction process:

List three types of sewing machine

Explain five part of a sewing machine and state their function

Explain factors to consider when choosing a sewing machine

Explain four ways of taking care of a sewing machine

List and explain ten terms peculiar to garment construction

BASIC TECHNOLOGY:

Draw the Isometric block shown

b. A front elevation looking in the direction of arrow X i. A plan ii. Two and elevation

2. Name three effects of an electric current b. draw a trowel

3. Explain stiffening in metal and its purpose

BUSINESS STUDIES:

1. E-commerce: The Future of Business

. Research how businesses use online platforms to sell their goods and services, and list the benefits and challenges.

2. E-commerce: The Future of Business

Research how businesses use online platforms to sell their goods and services, and list the benefits and challenges.

JSS 3 MATHEMATICS:

In a foolscap, give the full solutions to the last Urban WAEC Questions. Show workings for all the questions

2ND TERM RESEARCH QUESTION FOR SS 1

COMPUTER:

Write on the impact of ICT in the society

Write on the system unit

Draw the Background of Corel draw

BIOLOGY:

1. Draw the Nitrogen Cycle

1b. Discuss the Nitrogen Cycle

2. Animal Nutrition: food substances

ii. Discuss the sources and classes (with examples)

iii. The concepts of a balanced diet and its importance

iv. Food Test Discuss

ENGLISH:

Explain in short notes all you know about these topics

i. Narrative essay writing

ii. Descriptive essay writing

iii. Expository essay writing

iv. Paragraphing

v. formal and informal letter writing, write a letter to a friend and tell him or her good things about your school which is not found in other schools.

ECONOMICS:

What is Division of Labour and Specialization?

Identify and briefly explain the advantages and disadvantages of division of Labour

Explain the factors that limit the extent of Division of Labour.

CHEMISTRY:

Classification of substances – mixtures and components

Séparation Techniques i. filtration ii. Evaporation iii. Décantation iv. Floatation v. frotation vi. Crystallization

LIT IN ENGLISH:

Buy, read and write on the roles and significance of any 5 characters in the work The Marriage of Anansewa.

MATHEMATICS:

Given that x is inversely proportional to m^2 and $x = 3$ when $m = 9$. Find x when $m = 3$

M varies directly as N and inversely as the square of P . if $M = 3$, when $n = 2$ and $P = 1$ find M in terms n and p

X is partly constant and partly varies with y when $y = 3$, $x = 7$ and when $y = 6$, $x = 9$

a. find the relationship between x and y

b. find x when $y = 4$

GOVERNMENT:

LEGITIMACY:

Meaning of legitimacy

Factors that determines legitimacy

Advantages of running a legitimate government

IGBO LANGUAGE:

1a. Gini bu Ezinaulo

Deputa ezinaulo di iche iche ma kowaa ha n'otu n'otu

Deputa oru diri nna n'ezinaulo

Deputa oru diri nne n'ezinaulo

Deputa oru diri umuaka n'ezinaulo

2a. Gini bu Ahiriokwu

Deputa njirimara ahiriokwu

Deputa udi ahiriokwu di iche iche ma kowaa ha

Ahriotumkpuruokwu, Ahirimfe, ahirinha, ahiriukwu, ahirinkwe, ahirinju, ahiriajuju

AGRICULTURAL SCI:

Topic: Land

Content: define land ii. State the characteristics of land iii. Mention the uses of land based on its agricultural purpose and non-agricultural purpose of land

GEOGRAPHY:

Study the page of the Atlas that corresponds with your position in the first term's result.

Note: Those that came 1st, 2nd, and 3rd positions should study the pages 97, 98, and 99 of the atlas, respectively.

CATECHISM:

Write out the beatitude and where it can be found in the bible.

C.R.S:

God's care for his people

Write on the following sub-heading

- i. introduction to the topic
- ii. Guidance and protection
- iii. Provision

NOTE: Write in a full scalp sheet with the bible quotation

FRUTHER MATEMATICS:

The operation (*) is defined as the set of real numbers R such that x, y (R) then

$$X * Y = \frac{X + Y}{2} \text{ determine}$$

2. $3 * 2$ (b) $- 5 * 4$ (c) $7 * 3$ (d) $1/2 * 1/2$ (e) is the set R closed under the operation *?

3. Giving that $x = \begin{pmatrix} 8 & 2 & 4 \end{pmatrix}$ $y = \begin{pmatrix} 3 & 6 & -1 \end{pmatrix}$

$$\begin{pmatrix} 0 & 4 & 6 \\ 10 & 6 & 8 \end{pmatrix} \quad \begin{pmatrix} 7 & 2 & 9 \\ 4 & 6 & 5 \end{pmatrix} \text{ find } x+y$$

2ND TERM RESEARCH QUESTION FOR SS 2

COMPUTER:

Write on the Computer Maintenance

Write on the Hardware parts of computer

Draw the background of M.s power point

CHEMISTRY:

Rates of chemical reactions;

- i. including calculation of rates
- ii. Factors affecting rates of reactions
- iii. Collision theory and kinetic theory using them to explain rates of reactions

ECONOMICS:

Discuss briefly the production possibility curve (PPC) under the following headings

Definition of production possibility (PPC)

Meaning and types of production, concepts of total, average and marginal productivity.

Law of Variable production.

LIT IN ENGLISH :

Buy read and write on the roles of the major personal used in the writing of the novel “A man for all Season,

Summaries the story line in not less than 4 pages

MATHEMATICS:

Solve and illustrate the solutions in a number line $2 - 7x < 5x + 8 \leq 9$

Simplify $\frac{x^2 - 3x + 2}{x^2 - 4}$

For what value of x is $\frac{3-x}{x^2+2x-15}$ undefined

GOVERNMENT:

Representative Government:

Definition/explanation of a representative government

- ii. main features of a representative government

iii. Conditions necessary for a representative government

iv. Merits and Demerits of a representative government

ENGLISH:

Instruction: write on all the topics given below, your construction should not be less than 450 words.

1. Your pen friend aboard has written a letter asking you about the latest fashion and its effects on the youth in your country. Write a reply.
2. Since the introduction of video films into your country, there has been a rise in juvenile delinquency. Write an article suitable for publication in a national newspaper on the need for government to regulate the importation of these films.
3. Write a letter to the manager of EEDC of your area expressing your dissatisfaction with operations of the country on electricity distribution, and suggesting three 3 ways of improving the services.
4. You are a speaker in a debate on the motion: Democracy is the system of government for Africa. Write your speech for or against the motion.
5. Write a story to illustrate the saying: Too many cooks spoil the broth.

COMPREHENSION:

Read the passage on page 242 of your English Textbooks (Concept) carefully and answer all the questions on it.

SUMMARY:

INSTRUCTION: Read the passage on pages 244 or 245 of your English textbook (concept) carefully and answer the question on it.

IGBO LANGUAGE:

Gini bu Ochichi

Gini bu Ochichi odinala

Kowa udi ochichi odinaala ndia. Umuna, Amala, Nze na Ozo, Ichie Mmanwu, okonko, Ekpe, Umada, Ebiri,

Deputa oru ha n'obodo

Deputa oru NA na aru n'asusu Igbo ma nye omummatu han'otu n'otu

Deputa oru GA na-arụ n'asusu Igbo ma nye omumaatu ha n'otu n'otu

Deputa oru KA na n'aru n'asusu Igbo ma nye omamaatu ha n'otu n'otu

Deputakwa oru MA' na-arụ asusu Igbo ma nye amumaatu ha n'otu n'otu

BIOLOGY:

SOME PROPERTIES AND FUNCTIONS OF CELL

Sub topic: Cellular Respiration

- i. Definition of cellular respiration
- ii. Types of cellular respiration in details with their Explain it in details with their cycles
- iii. Energy release during respiration
- iv. Anabolism meaning
- v. usefulness of food

AGRICULTURAL SCI:

TOPIC PEST OF CROP

Content: Meaning of Pests

- ii. Explain the classification of pests
- iii. State the classes of insect pests based on their mouth parts
- iv. Name and describe at least five 5 important of insect pests of crop.

GEOGRAPHY:

Study the page of the Atlas that corresponds with your position in the first term's result.

Note: Those that came 1st, 2nd, and 3rd positions should study the pages 97, 98, and 99 of the atlas, respectively.

C.R.S:

Topic: sermon on the Mount. Write on the following sub-heading

- i. Introduction
- ii. The beatitudes
- iii. Salt and light
- iv. Adultery
- v. Anxiety
- vi. Prayer
- vii. Judging others viii. Worldly possession

NOTE: Write in a full scalp sheet not in your note book.

FRUTHER MATEMATICS:

Evaluate $\lim_{x \rightarrow 1} \frac{x^2 + 4x - 5}{x^2 - 1}$

Evaluate $\lim_{x \rightarrow 1} \frac{x^2 + 4x - 5}{x^2 - 1}$

OLYMPIAD MATHEMATICS RESEARCH QUESTIONS

How many positive integer solutions does the equation $3x + 5y = 1008$ have? Show them {**For all Classes**}

Prove that $19^{93} - 13^{99}$ is divisible by 162 {**SS 2**}

A leaf is torn from a paperback novel. The sum of the numbers on the remaining pages is 15,000. What are the page numbers on the torn leaf? {**JSS 3 and SS 2**}

Find the remainder when 19^{92} is divided by 92 {**JSS 2**}

What is the remainder when $3^{1994} + 2$ is divided by 11? {**JSS 3 and SS 1**}

In an examination, 70% of the students failed in Chinese, 75% in English, 80% in Math and 85% in Science. What is the least percentage of the students who failed in all four subjects? {**JSS 2 and SS 1**}

Ten letters are put in 10 addressed envelopes. Find the number of ways in which only nine of the letters are put in the correct envelopes. {**SSS 2 and SSS 1**}

GER/CHS RESEARCH:

GERMAN: Explain and Study the Nominative case, Dative case, Genetiv case and Accusative case.

CHINESE: Look up and make extensive note on what the colors mentioned below signify in China.

- Black
- White
- Red
- Purple
- Yellow
- Gold