

## JS1 RESEARCH TOPICS FOR THIRD TERM 2022/2023 ACADEMIC YEAR

### JS1 C R S

Topics:

1. Relationship in the community
  - i. Meaning of community (ii). Identification of the community leaders (iii) Ways of sustaining relationship in the community (Mtt 25:31 – 46)
2. Relationship in the church
  - i. Meaning of church (ii) Names of church leaders (iii) ways of sustaining relationship in the church (Romans 12: 9 – 21) (Peter3: 8 – 13, Romans 13: 1 – 7)

### JS1 CIVIC EDUCATION

1. What is citizenship?
2. List and explain three types of citizenship
3. In a tabular form write five differences between a citizen and non citizen

### JS1 IGBO

1. Kowa omenaala Igbo
2. Deputa ufodu omenaala Igbo
3. Gosiputa omenaala ndi metutara umuakwukwo
4. Deputa mkpa o di nwata ima omenaala ya

### JS1 MUSIC

1. Write on some musical terms and expressions
2. The fingering chart of the recorder (flute)

### JS1 SOCIAL STUDIES

1. Explain three contemporary social problems in Nigeria and suggest six good measures for overcoming the problems

### JS1 BASIC TECHNOLOGY

1. Explain simple machines, types and sketch the diagram
2. Explain building, its identification, components, types and materials
3. Explain electronics and its device

### JS1 CAT

1. Who is a priest (write note on who is a priest)

### JS1 P H E

Draw a football court and label correctly

### JS1 MATHEMATICS

1. The ages of students in a JSS1 class of a school are as follows:  
11,9,10,10,13,11,10,10,9,12,10,9,13,9,10,9,10,10,11,11,10,12,12,10,10,
  - a. Represent the data in a frequency table
  - b. How many students are in the class
  - c. What is the difference between the ages of the youngest and oldest students?
2. A bicycle wheel is 56cm in diameter. How many complete turns does it make in travelling 1km? Use the value  $\frac{22}{7}$  for  $\pi$

### JS1 ENGLISH LANGUAGE

Bad company ruins good morals. In only one page of your paper explain this proverb with reference to Joy's life

### JS1 BUSINESS STUDIES

1. In details explain book-keeping
2. List and explain the qualities of a book-keeper
3. List and explain the essential qualities of book-keeping

## **JS1 COMPUTER**

Write on the digital world

## **JS1 HISTORY**

1. Who is a historian
2. Write the importance of history to you as a person (student)

## **JS1 AGRICULTURAL SCIENCE**

Write on the following headlines:

1. Sexually transmitted infections (STIs) and HIV/AIDS
2. Ways of contracting sexually transmitted diseases (STD) (4 examples)
3. Signs and symptoms of common STDs (not less than 8 examples)
4. 7 (seven) ways of preventing HIV/AIDS

## **JS1 CCA**

1a. What is playwriting all about and who is a playwright

B(i) State the meaning of costume and make up (ii) Mention two basic types of make up and explain them

## **JS1 BASIC SCIENCE**

1. What is the meaning of renewable energy and non renewable energy
2. In a tabular form differentiate between contact force and non-contact forces
3. Define friction
4. Mention three (3) advantages and disadvantages of friction

## **JS1 FRENCH**

- 1 Draw a human body and label the parts in French
- 2 List any 15 sickness in French with their English meanings

## **JS1 LATIN**

Write down 20 Latin vocabularies of the second declension nouns.

## **JS2 RESEARCH TOPICS FOR THIRD TERM 2022/2023 ACADEMIC YEAR**

### **JS2 C R S**

Topic:

1. The resurrection of Jesus. Mtt 28: 1 – 10, Mk 16: 1 – 8 , Lk 24: 1 – 12
2. Appearances of Jesus. Mtt 28: 16 – 20 , Mk 16: 9 – 18 , Jn 21: 1 – 14 , Lk 24 : 13 – 49.
3. The Ascension of Jesus Christ
  - i. The great commission. Mtt 28 : 16 – 20 , Mk 16: 15 – 18 (ii) The Ascension of Jesus into Heaven Mk 16: 20 , Lk 24 : 50 – 53

### **JS2 CIVIC EDUCATION**

1. What do you understand by the term democracy
2. List five characteristics of democracy
3. List five pillars of democracy and explain

### **JS2 IGBO**

1. Kowa ihe bu iji mmadu atu mgbere
2. Gosiputa uzo esi e ji mmadu atu mgbere
3. Gosiputa iwu ndi megidere iji mmadu atu mgbere.

### **JS2 MUSIC**

Write short on the following topics:

1. Chromatic scale
2. Harmonic chromatic scale

### **JS2 SOCIAL STUDIES**

1. Explain the meaning of harmful substances
2. Give five examples of harmful substances
3. Mention six ways of preventing the intake of harmful substances

### **JS2 BASIC TECHNOLOGY**

1. Produce a sand paper of length 70mm by 40mm with carton paper base.

Material: dried sand, glue (hard)

Note: Allow it to dry on the sun

Visit a building site and observe the site and its preparation. Explain how one could start off a building

3. Explain in details sample electrical wiring, tools, materials and precautions

### **JS2 CAT**

1. Write brief history on the church Jesus Christ founded

### **JS2 P H E**

Draw a basketball court and label correctly

### **JS2 MATHEMATICS**

1. The sum of seven of the angles of a decagon is  $1170^{\circ}$ . The other three angles are all equal to each other
2. Thirty five participants at a seminar on voter education are electorates. The probability of selecting a electorate from the participants is 0.25. How many people are of the seminar?

### **JS2 ENGLISH LANGUAGE**

Fear enslaves while courage liberates. In one page of your paper discuss this assertion with regards to the story of the “Myth Bursters”.

### **JS2 COMPUTER**

Write on virus management

### **JS2 HISTORY**

1. What are the factors that led to the rise of Ghana Empire
2. The factors that led to the fall of Ghana Empire

## **JS2 BUSINESS STUDIES**

1. In details explain cash-book
2. Record the following transactions in the cash-book of JOHN'S LTD for the month ended 31<sup>st</sup> march 2023

MARCH	N
1 cash used to start business	20,000
2 paid rent with cash	4,000
3 paid for insurance	3,000
6 paid wages	1,000
6 sold goods on cash	2000
8 cash sales	3000
10 paid joy cash of	1000
20 receives cash from Mr. Ken	4000
22 paid transport with cash	2000
25 sold goods on cash	1000

You are required to prepare and balance the single column cash-book 31<sup>st</sup> of March 2023.

## **JS2 AGRICULTURAL SCIENCE**

Write on the following headlines

1. Food purchasing
2. Food processing
3. Food preservation
4. Food safety
5. Perishable and non-perishable foods
6. State 10 (ten) wise buying practice
7. Reasons for food preservation (Give 5 examples)

## **JS2 CCA**

- 1a. What is painting
- b. Write short note on the following
  - (i) Still life painting
  - (ii) Nature painting
  - (iii) Life painting
2. Give five reasons why painting is taught in school

## **JS2 BASIC SCIENCE**

1. What is the meaning of heat flow?
2. Use a diagram to differentiate between conduction, convection and radiation
3. Narrate the origin of crude oil and natural gas
4. Mention five (5) importances of crude oil and petrochemicals to Nigeria.

## **JS2 FRENCH**

- 1 Draw a beautiful car of your choice and label the parts in French
  - 2 List 15 daily verbs in French with their English meanings
- Ex. manger ...to eat  
Regarder .....to watch or to look

## **JS2 LATIN**

- (a) Write down 15 Latin vocabularies of the 2<sup>nd</sup> declension nouns ending in "us"
- (b) Write the explanation and meaning of the Latin expression
  - (a) Veni, Vidi, Vici
  - (b) Cogito ergo sum

## SS1 RESEARCH TOPICS FOR THIRD TERM 2022/2023 ACADEMIC YEAR

### SS1 AGRICULTURAL SCIENCE

Topic: Agricultural / farm mechanization

Contents; Meaning of Agricultural / farm mechanization

State the advantages and disadvantages of agricultural / farm mechanization

Mention the problems of farm mechanization

State the limitations of agricultural / farm mechanization

### SS1 LITERATURE-IN-ENGLISH

1. Define and explain Biography

2. Write the meaning and the explanation of auto-biography

3. Differentiate between autobiography and biography in a table

4. Write a biography of your “Mother” or “Father”, (Note: the biography should be nothing but all, truth).

### SS1 FURTHER MATHS

$$\text{If } M = \begin{pmatrix} 2 & 6 & 5 \\ 3 & 7 & 1 \end{pmatrix}, \quad N = \begin{pmatrix} 3 & 6 & 9 \\ 1 & 5 & 8 \end{pmatrix}$$

Find (i)  $M - N$  (ii)  $4M$

### SS1 CAT

1. Write brief history on how Bible came to us

### SS1 ECONOMICS

Briefly discuss business organization under the following headings

Shares

Debatore and bonds

Co-operative societies, - types – consumer, producer, thrift and credit societies

Advantages and disadvantages

### SS1 PHYSICS

1. With the aid of a diagram, describe briefly the behaviour of a wire that is gradually loaded to its breaking point

2. A television (65W), a refrigerator (1.2kw) and electric kettle (650w) and 10 lamps (40w each) are connected in series in a house to switch on all the appliances for 24hours if the cost of electricity is 15kobo per kwh ?

### SS1 MATHEMATICS

1. Find the radius of a circle in which an arc of length 44cm subtends angle  $200^\circ$  at the center of the circle (take  $\pi = \frac{22}{7}$ )

2. The angle of sector of a circle of diameter 8cm is  $135^\circ$ . Find the area of the sector (take  $\pi = \frac{22}{7}$ )

### SS1 COMPUTER

Write broadly on corel-draw masters

### SS1 IGBO

1. Dee ihe niile imara gbasara nkejiasusu

i. Mputara nkejiasusu

ii. Njirimara nkejiasusu

iii. Nkenaudi / udi nkejiasusu di iche iche

iv. Kowaa ihe bu aha / mkpoaha

v. Deputa ma kowaa udi aha / mkpoaha di iche iche ma nye omumaatu he n' otu n' otu

2i. Kowaa ihe bu ngwaa

ii. Deputa njirimara ngwaa

iii. Deekwa udi ngwaa ma nye omumaatu ha n' otu n' otu

## **SS1 BIOLOGY**

Topic: Tissues and supporting system

The topic should be discussed as follows:

1. Meaning of skeleton and supporting system in plant
2. Different types of supporting tissues in plants
3. Location and arrangement of structural component in plant
4. Functions of supporting tissues in plant
5. Diagrams / structures very important

## **SS1 ENGLISH LANGUAGE**

Write a comprehensive list of 200 irregular verbs

e.g. Irre

study and write a comprehensive list 200 irregular verbs

e.g

<b>Irregular verbs</b>	<b>Past tense</b>	<b>Past participle</b>
Arise	Arose	Arisen
Awake	Awoke	Awaked, awoken
Be	Was	Been

## **SS1 GEOGRAPHY**

1. Study the atlas and prepare for defense

Note: you are to study only the page which correspond or is the same with your examination number, E.g. A student whose examination number is "4" will study only page 4 of the Atlas and it will be followed that way to the very last person in the class.

2. Students whose examination numbers are 1, 2 and 3 will study the pages 86, 87 and 88 of the atlas for both classes (that is SSI AND SS 2).

## **SS1 GOVERNMENT**

Sovereignty

- a. Definition / explanation of sovereignty
- b. Origin and development of sovereignty
- c. Features of a sovereignty
- d. Types of forms of sovereignty
- e. Limitation of sovereignty

## **SS1 CRS**

1. Explain the following in full details:

Faith

Truth

Trust

Hope

2. Difference between

i. Faith and hope

ii. Trust and truth

3. Give names of people from the bible that exercised faith and trust in God with Bible Quotations.

### **SS1 CIVIC EDUCATION**

Write extensively on the following

Arms of Government

UDHR universal declaration of human rights

Roles of individuals and government in the promotion of human rights.

Cultism.

### **SS1 CHEMISTRY**

Water:

1. Sources of water
2. Types of water (soft and hard water)
3. Water pollutants
4. Uses of water
5. Laboratory preparation of water

### **SS1 LATIN**

(a) Give the translation and meaning of the Latin phrases

1. Auribus Teneo Lupum
2. Ex Nihilo Nilril Fit
3. Write the story behind the term "Felix Culpa".

## SS2 RESEARCH TOPICS FOR THIRD TERM 2022/2023 ACADEMIC YEAR

### SS2 AGRICULTURAL SCIENCE

Topic: Range land management

Contents: Meaning of range land and pasture

State the importance of range land

List the characteristics of range land

Mention the common grasses and legumes of livestock in range land with their botanical names

Factors affecting the level of production of herbage

Methods of range land and pasture improvement.

### SS2 FURTHER MATHS

1. Evaluate  $\lim_{x \rightarrow -2} \frac{(2x + 1)(x^2 - x - 6)}{x^2 - 4}$

2. Simplify  $8P^5$

### SS2 ECONOMICS

Define labour market

Discuss labour market under the following headings

1. Supply and demand for supply for labour wage, determination and reasons
2. For wage differences in wages
3. Trade unions and other related institutions
4. Concept of unemployment and types

### SS2 PHYSICS

1. Derive the expression  $T = 2\pi \sqrt{L/g}$  of the period of a simple pendulum

A simple pendulum has a period of 3.455 when the length of the pendulum is shortened by 1.0m, the period is 2.81 seconds

Calculate

- a. The original length of the pendulum
  - b. The value of the acceleration due to gravity
2. The bob of a simple pendulum takes 0.25s to swing from its equilibrium position to extreme end. Calculate its period

### SS2 MATHEMATICS

1. A student 1.5m tall, when standing up, observe that the angle of elevation of the top of a tree 20m away is  $25^\circ$  find the height of the tree.
2. The bearing of X from Y is  $320^\circ$  what is the bearing of Y from X.

### SS2 COMPUTER

1. Write on Internet
2. write on operation system
3. Draw the background of presentation package

### SS2 LITERATURE-IN-ENGLISH

Read the play – (Fences and Invincible man) and bring out

- a. The major characters and their significances in the play
- b. The thematic interpretations in the play
- c. The styles and structures used in the presentation of the story lines.

### SS2 CHEMISTRY

Hydrolysis of salts in aqueous solutions

### SS2 CIVIC EDUCATION

Define Traffic Regulation

State importance of traffic rules and regulations

Forms of traffic regulations. With the aid of diagram, give traffic signs.

## **SS2 IGBO**

Dee ihe niile gbasara dibia odinaala

1. Kowaa dibia odinaala
2. Usoro obuba
3. Udi dibia odinaala di iche iche
4. Kowaa dibia odinaala n'otu n' otu
5. Uru dibia bara
6. Oghom di na dibia

2. Dee ihe niile i mara gbaara

- a. iri ikpe – ihe o bu, ndi na-eri ekpe, ihe ndi a na-erite n'ekpe
- b. Ike ekpe – ihe obu, ndi na-eke ekpe, ndi a na-ekire ekpe, ihe ndi a na-eketa n' ekpe

## **SS2 BIOLOGY**

Topic : Nutrient cycling in nature

The topic should be discussed as follows:

- i. Carbon cycle
2. Oxygen cycle
3. Water cycle
4. Nitrogen cycle

Meaning, processes, importance and diagrams are very important

## **SS2 ENGLISH LANGUAGE**

Instruction: Write on all topics given below:

1a. What is communication?

b. In the classroom, does the teacher do the whole talking? (i) Explain the role of students and (ii) The advantages of students participation

2. Write short explanations of these headings to show how you spent your weekends

a. Sleeping (b) Visiting friends (c) Playing (type) (d) Helping in the house (e) Watching television/ listening to news (f) Doing homework (g) Making a craft (name the type) (h) Visiting grandparents (i) Eating (use good language to explain each topic)

3. Every essay has a beginning, middle and an end. (a) List four (4) types of essay writing you know (b) write extensively on any type and topic of your choice.

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## **SS2 GOVERNMENT**

<b>Topic</b>	<b>Contents</b>
Public opinion	(a) Definition / explanation of public opinion
	(b) Main features of public opinion
	(c) Importance / functions of public opinion
	(d) Ways by which public opinion is formed or developed
	(e) Methods / ways of measuring public opinion
	(f) Factors that can promote public opinion

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