

SSS 3 TAKE HOME ASSIGNMENTS FOR SECOND TERM 2024/2025 ACADEMIC SESSION

SUBJECT: FRENCH

Answer ONE Question ONLY in this section

1. Votre père vous a envoyé de l'argent à l'école. Écrivez une lettre de remerciement à votre père.
2. Écrivez une lettre familiale/amicable et décrivez votre école à votre ami qui est dans une autre école.
3. Écrivez une lettre pour inviter un(e) ami(e) à votre anniversaire.

Literature-in-English

Section A: Non-African Drama (Answer One (1) Question)

1. Comment on Troy's childhood and how it influenced his adult life in the play, *Fences* by August Wilson.
2. Discuss the Theme of Betrayal in the play, *Fences* by August Wilson.

Section B: Non-African Poetry (Answer One (1) Question)

3. Discuss the different categories of people advised by Dylan Thomas in the poem, *Do Not Go Gentle Into That Good Night*.
4. Discuss five (5) poetic devices used in the poem "Caged Bird" by Maya Angelou.

ARABIC

TURN THESE VERBS TO CONTINUES TENSES إلى الفعل المضارع -1

- | | |
|-----------|------|
| كتب | .i |
| شرب | .ii |
| جلس | .iii |
| فتح | .iv |
| قام | .v |

-2

TRANSLATE THESE TO ENGLISH

- مدرسة العسكرية النيجيرية في زاريا
- هي مدرسة لتربية الطلاب عامين
- عسكرية وعلم التربية

MATHEMATICS

- 1a. Given that $\sin(x + 30)^\circ = \cos(2x + 33)^\circ$, find the value of x
- b. Express 4321_6 in denary.
2. The Interior angle of a hexagon are $(x + 5)^\circ$, $(2x + 2)^\circ$, $(x + 10)^\circ$, $(2x + 2)^\circ$, $(3x + 2)^\circ$ and $(x + 15)^\circ$ find the value of x
- b. Simplify $\sqrt{3 + 1} \sqrt{3 + 2}$
3. Solve the following pair of equation using Cramer's rule.
 $2x + y = 7$
 $x + y = 3$
- b. Given the following set of numbers, 2, 6, 8, 9, 7, 6, 9, 6 calculate, mode and median.
4. Use Mathematical tables to evaluate
 $\sqrt{\frac{4000 \times 75.9}{5.6 \times 4.39}}$
5. Two parallel chords lie on opposite sides of the centre of a circle of radius 13cm, their length are 10cm and 24cm. What is the distance between the chords?

CIVIC

1. Define capitalism and outline any five characteristic of capitalist democracy.
2. Define democracy and list and explain five importance of democracy.
3. Define rule of law and Mention ten key features of rule of law.

COMPUTER

1. Describe the differences between a LAN and a WAN
2. Explain the concept of Encryption and Description
3. Describe the differences between compiler and interpreter
4. Describe the difference between a virus and a worm

5. What is the purpose of anti virus Software?
6. What is the purpose intrusion Detection System (IDS)
- 7.a Convert the following numbers to base Ten
 - i. 724 base 8
 - ii. 7ADC2 base 16
 - iii. 1010101 base 2
- b. Convert the following from base ten to other bases
 1. 924 base 10 to base 10
 2. 521 base ten to base 2
 3. 244 base ten to base 2
 4. 9999 base ten to base 16

D&B

1. Describe the following features of perspective drawing in form of diagram;
 - i. Picture plane
 - ii. Horizon
 - iii. Vanishing point
 - iv. Line of vision or guideline
 - v. Foreground / background.
- 2a. What is a low relief?
- b. Describe the method of producing a low relief on a panel of seasoned wood.
3. State Five (5) characteristics of Egyptian painting and Five (5) characteristics of the Egyptian sculpture.

FISHERY

1. Mention Three(3) methods through which fish could be harvested from a pond.
- b. Mention Five(5) fish processing methods
- i. Name Three traditional fish processing method.
- c. Name Five (5) modern fish preservation methods.
2. State Four(4) likely causes of economic losses of smoked – dry catfish (*clarias spp.*)
- b. Name Four (4) species that could be cultured in Nigeria each of the following instruments.
 - i. Secchi disk.
 - ii. Thermometer

T&D

1. Draw ellipse using concentric circle method.
2. Using free hand sketching draw car jack.

BIOLOGY

- 1.a. Name the type of germination which takes place in
 - i. Monocotyledonous plants
 - ii. Dicotyledonous plants
- b. List Five (5) birth control method.
2. State Five (5) reasons why family planning is important to a nation.
- 3.a. What is ecological succession?
- b. State Five (5) effects of overpopulation in a community.

CHEMISTRY

1. Name a suitable drying agent for the laboratory
- ii. Using one chemical test, distinguish between carbon (ii) oxide and carbon (ii) oxide.
- bi. Describe briefly, how oxygen and nitrogen could be obtained separately from air on an industrial scale?
- ii. State how a lighted splint can be used to distinguish between samples of oxygen and nitrogen.
- c. Mention one chemical and one raw material in the production of ceramics.
- ii. State the function of sodium hydroxide solution in the extraction of aluminum from it's ore.
- iii. Explain briefly why it is difficult to extract aluminum by chemical reduction of aluminum oxide.
- iv. Write an equation for the reaction of with aqueous sodium hydroxide.
- d. The melting and boiling points of sodium chloride are 801°C and 1413°C respectively.
- i. Explain briefly why sodium chloride does not conduct electricity at 25°C but does so between 801°C and 1413°C.
- ii. State the reason why sodium metal is stored under paraffin oil in the laboratory.

PHYSICS

- 1.a. What is meant by the statement 'the specific heat capacity of iron is 460JK⁻¹K⁻¹'
- b. i. Describe an experiment to determine the specific heat capacity of iron using an iron cube.
ii. State two precautions you would take to obtain accurate result.
- c. A piece of an iron cube of mass 25g at 150°C is placed in a copper calorimeter of mass 50g containing 40g of water at 30°C. ignoring heat loss, calculate the final temperature of the mixture.
Specific heat capacity water =4.2JG⁻¹K⁻¹
Specific heat capacity Copper =0.4JG⁻¹K⁻¹
Specific heat capacity iron =0.46JG⁻¹K⁻¹
- 2.a. Define the term 'critical angle'
- b. State two conditions for total internal reflection to occur
- c. Describe briefly the working of compound microscope. If a compound microscope has lenses of focal length 1.0cm and 5.0cm, and an object is placed 1.2cm from objective lens, and a virtual image is formed 25cm from the eye piece, calculate the distance between the two lenses.

PHYSICAL EDUCATION

1. In athletics, name:
 - a. The two methods of baton take-over in a relay race;
 - b. Four sprint races;
 - c. Two throwing events;
 - d. Two jumping events;
- 2a. State **Six** offences that can lead to the award of a penalty shot in a hockey game.
- b. State **Four** ways in which the striking circle in hockey game is important.

FURTHER MATHS

1. The poles are situated at points A, B, C on the same horizontal plane such that $AB = (8\text{km}, 060^\circ)$ and $BC = (12\text{km}, 130^\circ)$. Calculate
 - i. AC correct to three decimal places.
 - ii. The bearing of C from A correct to the nearest degree.
2. A uniform beam XY of mass 10kg and Length 24m is hanged horizontally from a cross bar by two vertical inextensible string, one attached to X and the other at a point M, 4m away from Y. A mass of 50kg is suspended at a point N which is 8m from X. If the system remain in equilibrium, calculate the tension in the strings (take $g = 10\text{m/s}^2$).

AGRIC

- 1a. What is capital market
- b. Mention four (4) sources of funds for the capital market
- c. State three (3) roles of capital market
- d. Define Agric – business
- 2a. Define Farm Records and Farm Accounts
- b. Write short note on the following farm Records:
 - i. Farm diary
 - ii. Farm Inventory
 - iii. Annual Valuation

GEOGRAPHY

- 1a. On a sketch map of Nigeria, name and locate one town for each of the following
 - i. One area for cement manufacturing.
 - ii. One area for cocoa products.
 - iii. One area for floor production.
- b. State Four benefits of large – scale manufacturing Industries in Nigeria.
- e. Four problems affecting mining Industry in Nigeria.
2. Write explanatory note on the following
 - a. Population density.
 - b. Birth rate.
 - c. Optimum population.
 - d. In what Three ways can the problems of under population be solve.

LIT IN ENG

Section A: Non-African Drama (Answer One (1) Question)

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CRS

1. Compare Hosea's marriage experience with Israel's relationship with God.
2. Jesus presents Himself as the light of the world. How did He prove this?
- 3a. Give an account of the coming of the Holy Spirit?
- 4b. Of what importance was the coming of the Holy Spirit to the Church.

IRS

- Q1: Define Iddah in Islam?
- b: List and explain kinds of Iddah.
- Q1a: List ten prophets mentioned in the Qur'an?
- b: Mention any two functions of the Prophets?

GOVT

- Q1. Explain the military rule in Nigeria.
- Q2. What are the measure that can be taken to avoid secession in Nigeria?
- b. What is secession?

HISTORY

1. Discuss any five factors leading to the overthrow of the second republic administration through coup d'état of 31st December 1983.
2. Why was nationalist movement successful in Nigeria?
3. (a) Identify any three remote causes of the 1967-1970 civil war in Nigeria.
(b) Give any two immediate causes of the civil war of 1967-1970 in Nigeria.

VISUAL ART

- 1a. Explain the term "Craft".
 - b. Mention any Five types of craft practiced in Nigeria.
 - c. State the uses of any Two mentioned in (b) above.
- 2a. Define sculpture
 - b. List Five (5) materials for sculpture.

COMMERCE

1. State the roles of marketing research.
 - b. What are the methods for conducting marketing research.
- 2a. List the Four Ps marketing mix
 - b. List and explain the business resources of an organization

FIN ACCT

1. Prepare care furniture manufacturing account for the year ended 31st December 2020.

		₦
Stock of raw materials (1/1/202)	5,360	
Work in progress (1/1/2020)		4,972
Purchase of raw materials	29,470	
Factory Insurance		1,820
Factory rent		7,200
Returns on raw materials	1,373	
Factory lighting and cooling	2,885	
Depreciation of plant & machinery	5,627	
Factory wages	13,582	
Stock of raw materials (31/13/2020)	8,619	
Work in progress (31/12/2020)	3,664	
2. Temilade Ltd operates a branch at Kano. All purchases are made by the head office in Ikoyi and goods are Invoiced at selling price, Being cost at 50%. The following Information was given for the Information was given for the year ended 31st December 2010.

		₦
Cash sales		98,550
Credit sales		315,000
Goods sent to branch at Invoiced price		5,625
Stock at close at Invoiced price		140,625
Goods stolen at Invoiced price		450
Cash stolen at Invoiced price		1,350
Allowance off selling price		900

You are required to prepare:

 - a. Memorandum branch stock account
 - b. Goods sent to branch account (cost)
 - c. Profit and loss account.

Show your workings.

ECONOMICS

1. Briefly discuss each of the following economic challenges in Nigeria
 - a. Debt burden
 - b. Debt Relief
 - c. Poverty
 - d. Corruption
2. Explain 5 methods of poverty alleviation adopted in Nigeria