

HALLMARK SECONDARY SCHOOL, ONDO
SECOND TERM HOLIDAY ASSIGNMENT FOR 2023/2024 SESSION

CLASS: SSS TWO

SUBJECT: AGRICULTURAL SCIENCE

Study Anatomy and physiology of farm Animal and answer the following questions:

- i. Define respiration
- ii. Explain the two types of respiration
- iii. Explain the processes of breathing
- iv. Briefly explain the central nervous system and the peripheral nervous system
- v. Briefly explain types of neurons, transmission of nerve impulse, reflex actions and reflex are.

SUBJECT: ENGLISH LANGUAGE

1. Write an article on the topic:
The Effects of parental influence on students' career choice'
2. Attempt the summary questions on pages 232 and 251 of your English textbook
3. Attempt the vocabulary Development questions (Prefixes and Suffixes) on page 229 (question A and B) of your English textbook

SUBJECT: BIOLOGY

Study the following topics and answer the questions that follow:

- i. Excretory system
- ii. Respiratory system
- iii. Ecological management

Questions

1. Write briefly on the following respiratory organs:
 - a. Tracheal system
 - b. Gills in bony fishes
 - c. simple gills
 - d. Cutaneous respiration
 - d. Buccal respiration
- 2a. List ten (10) organisms and their excretory structures
- b. Explain excretory mechanism in earthworm and insects. **(Diagrams are required)**

SUBJECT: LITERATURE – IN- ENGLISH

Get and read the following texts:

1. Let me Die Alone by John Kolasa kargbo
2. Look Back in Anger by August Wilson

Pay attention to the paints below:

- Background
- Setting
- Plot Account
- Themes
- Dramatic Techniques

SUBJECT: DYEING/BLEACHING

- 1a. What is Batik
 - b. List any 10 materials for Batik
 - c. Mention ten tools for Batik
 - d. State five problems in Batik
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SUBJECT: VISUAL ART

1. What is contemporary arts
 2. List ten contemporary Nigerian artist stating their names, area of specialization and state of origin
 3. Make a still life drawing of a kettle on a stove
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SUBJECT: FINANCIAL ACCOUNTING

Study the following topics:

1. Adjustments entries in the trial accounts
 - i. Prepayment
 - ii. Accruals
 - iii. Capital
 - iv. Revenue items
 - 2i. Meaning of Balance sheet
 - ii. Importance of balance sheet
 - iii. Preparation of balance sheet
 2. Control ledger accounts
 - i. Sales control account
 - ii. Purchases control account
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SUBJECT: GEOGRAPHY

Study these topics

1. The world population
 2. The world industries
 3. Map reading: The seale
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SUBJECT: CATERING CRAFT AND PARCTICES

1. State five factors to consider before planning menu
 2. List causes of overweight
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HOME MANAGEMENT

1. Differentiate between cleaning equipment and tools
 2. List some examples of cleaning agents
 3. Give examples of cleaning tools
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SUBJECT: CIVIC EDUCATION

1a. Define three items found on:

- i. Exclusive legislative list (ii) Concurrent legislative list (iii) Residual
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SUBJECT: GOVERNMENT

1a. Define Federalism

b. Narrate how states were created in Nigeria (State the date they were created and the Nigerian Head of state who created them)

2. Mention five political parties that were established in the first republic

SUBJECT: PHYSICS

1. Study the following clearly under simple harmonic motion

- i. Energy of a body under simple harmonic motion with solved questions
ii. Period of a simple pendulum, period of a mass loaded spring with solved questions
iii. Forced vibration and resonance

Exercise

1. A simple pendulum has a period of 3.45 seconds. 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. LINER MOMENTUM

Study the following under the above named topic clearly

- i. Momentum and its S.I unit
ii. Impulse and its S.I unit
iii. Solved questions on momentum and impulse
iv. Conservation of Linear momentum
v. Types of collisions
vi. Solved examples on the types of collision
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SUBJECT: MATHEMATICS

Study these topics vigorously:

1. Linear inequalities
- Linear inequalities un one variable
- Linear inequalities in two variables
- Linear programming
2. Geometrical ratios
- Equal intercepts
- Proportional division of the sides of a triangle
- Bi-sector of an angle in a triangle
- Similar triangles

Answer the following questions

1. In $\triangle ABC$, $AB = 10\text{cm}$ and $AC = 18\text{cm}$. M is the mid-point of BC and the bi-sector of A meets \overline{BC} at N. If $MN = 2\text{cm}$, calculate BC
2. Express $3x - 2 < 10 + x < 2 + 5x$ in the form $a < x < b$, where a and b are both integers

3. Solve graphically the simultaneous inequalities $4x + 3y < 12$, $y = 0$, $x > 0$ for integral value of x and y
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SUBJECT: FURTHER MATHEMATICS

Study vigorously these topics:

1. Polynomials

- Addition and subtraction of polynomials
- Multiplication and division of polynomials
- Zeros of polynomials
- The remainder theorem
- The factor theorem
- Graphs of polynomials
- Root of cubic equations
- Synthetic division of polynomials

2. The remainder when the polynomial $f(x) = 2x^2 + px^2 + qx + 18$ is divided by $(x - 1)$ is 10.

When it is divided by $(x + 1)$ the remainder is 12.

- a. Find;
- i. The values of the constants p and q ;
 - ii. The Zeros of $f(x)$
- b. Hence or otherwise, sketch the graph of $f(x)$
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SUBJECT: TECHNICAL DRAWING

Study vigorously these topics

1. Equal area of similar figures
- Theorem of equal areas
 - Conversion of area of plane figures
2. Tangents and tangency
- Constructing a tangent to a circle from a given point outside it and from a point on the circumference
 - Constructing a common, internal tangent to two equal and two unequal circles
 - Constructing a common external tangent to two equal and two unequal circle

Answer these questions

1. Using accurate geometrical constructions draw a square equal in area to an equilateral triangle with 75mm sides. Dimension, to the nearest millimeter, the side of the figure you obtain
2. Draw an external tangent to two equal circles of 60mm diameter
3. Draw an internal tangent to two circles of diameters 60mm and 35mm

SUBJECT: CHEMISTRY

Read and study carefully

Mass and volume Relationship under the following headings:

- i. Stoichiometry of chemical reactions
 - ii. Mole ratio
 - Mass Relationship
 - Mole to mole
 - mole to volume
 - : Solve calculation problems on the above stated sub-topic
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SUBJECT: ECONOMICS

Study the topics below and answer the questions that follow:

- 1. Industries in Nigeria
- 2. Agriculture

Questions

- 1. What are the likely reasons for government participation in the location of industries in Nigeria?
 - 2. Explain each of the following:
 - a. Indigenization b. Localisation of industries
 - C. Economies of scale d. National budget
 - 3a. What are four reasons for protecting infant industries
 - 4. Discuss the different types of agricultural system that exist in West Afrca
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SUBJECT: FISHERY

- 1. Explain breeding in fish
- 2. Give the types of Reproduction in fish
- 3. Check online and print out about the following topics:
 - a. Fish Diseases, Symptoms and treatments
 - b. Management and Nursing of fish seeds