

The Ambassadors College, Ota

S.S.S 2

SECOND TERM MID-TERM

HOLIDAY ASSIGNMENT

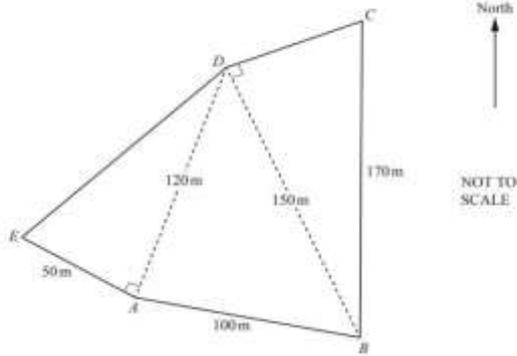
2025/2026 Academic Session

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Name: _____

HOLIDAY ASSIGNMENT

SSS2 REGULAR MATHEMATICS HOLIDAY ASSIGNMENT

(a)



The diagram shows a field $ABCDE$. Calculate the perimeter of the field $ABCDE$.

(4 marks)

(b) Calculate angle ABD .

(4 marks)

(c) i) Calculate angle CBD .

[2]

ii) The point C is due north of the point B . Find the bearing of D from B .

[2]

(d) Calculate the area of the field $ABCDE$.

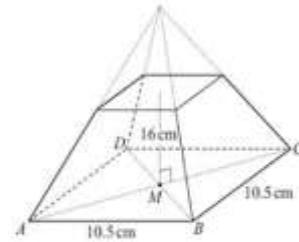
(4 marks)

Give your answer in hectares. [1 hectare = 10 000m²]

(4 marks)

SSS2 HONOURS MATH HOLIDAY ASSIGNMENT

1



The diagram shows a frustum of the pyramid $OABCD$. The height of the frustum is 16 cm.

Calculate the volume of the frustum.

2a

15 The height of each of 140 basketball players is recorded. The table shows the results.

Height (h cm)	$160 < h \leq 180$	$180 < h \leq 185$	$185 < h \leq 190$	$190 < h \leq 200$	$200 < h \leq 210$
Frequency	7	12	31	70	20

(a) Calculate an estimate of the mean height.

(b) Two of the players are chosen at random.

Find the probability that both players have a height greater than 190cm and no more than 200cm.

SSS2 FURTHER MATH HOLIDAY ASSIGNMENT

- (a) Write $\log_{27} x$ as a logarithm to base 3.
(b) Given that $\log_4 y = 3(\log_4 15 - \log_4 3) + 1$, express y in terms of a .
- Solve the following equations to find p and q .

$$8^{p-1} \times 2^{2p+1} = 4^7$$

$$9^{q-4} \times 3^q = 81$$

ENGLISH LANGUAGE

Get a cardboard, draw and label consonant and vowel charts

LITERATURE-IN-ENGLISH

- Examine the central theme of *A New Tongue* by Elizabeth L.A. Kamara
- Identify and examine the subject matter of *The Breast of The Sea* by Syl Cheney Coker

PHYSICS

- 1(a). (i) State Coulomb's law of electrostatics
(ii) State two differences between electric field potential and electric field intensity
- (b) Sketch an electric field pattern in
 - an isolated Positive charge.
 - isolated Negative charges
- (c) Two bodies each carrying a charge of 2.00×10^{-10} are 5 cm apart. [$k = 9.00 \times 10^9 \text{ Nm}^2\text{C}^{-2}$] Calculate:
 - the magnitude of the force between the charges.
 - electric field potential at distance 2cm on one of the charges
2. (a). (i) What is capacitance of a capacitor?
(ii) State two applications of a capacitor
- (b) (i) State the factors affecting the parallel plate of a capacitor
(ii) Write an expression connecting the above factors listed
- (c) Two capacitors 2Uf and 8Uf were connected in series and then to 100V direct current voltage source. Draw the circuit arrangement of the circuit components, and calculate
 - Equivalent capacitance
 - Total charge

HOLIDAY ASSIGNMENT

- iii. Combined energy stored.
- 3(a) Define the following;
- (i) Electromotive force of a cell (ii) Internal resistance of a cell
- (b) (i) State two differences between primary cell and secondary cell
(ii) Identify the two defects of cells
- (c) (i) State how the defects identified above can be curbed
(ii) A capacitor of 10uf was connected to 100kilohm resistor in series, then to 4.5volt direct current source,,
i. Draw the closed circuit diagram, and calculate,
ii. Time constant iii. Charging voltage
iv. Discharging voltage v. Quantity of charge stored
vi. Quantity of charge discharge

GOVERNMENT

1. Outline the functions of Nigeria ministry of foreign affairs.
2. Highlight five positive consequences of the Nigerian civil war.

CIVIC EDUCATION MID-TERM HOLIDAY ASSIGNMENT

Write a short note on the following.

- i. Drug use and abuse
- ii. Classifications/ types of drugs

HISTORY

- 1a. What were the aims of the League of Nations?
- b. Why did the USA's refusal to join create problems for the League?
- c. "If the League of Nations had been supported by an Army, then the League could have been very effective in preventing wars. How far do you agree?"

(REGULAR) CRK MID-TERM HOLIDAY ASSIGNMENT

- 1a. Explain how Nehemiah responded to the state of the nation of Judah
- b. Explain why God postponed the punishment during the time of Josiah to his children

(HONOURS) CRK MID-TERM HOLIDAY ASSIGNMENT

- 1a. Explain the social life of Israel during the time of Amos
- b. Mention four punishments Amos pronounced on Israel

AGRICULTURAL SCIENCE

1. Define Digestion.
2. With the aid of a well labelled diagram; explain digestion in ruminant animals.

COMMERCE

- 1a. Define Advertising
 - b. Explain FIVE factors to be considered before choosing an advertising medium.
 - c. Give EIGHT example of advertising media available in your country.
2. Write short on the following;
 - i. Persuasive advertising
 - ii. Informative advertising
 - iii. Mass advertising
 - iv. Direct advertising

BIOLOGY

HOLIDAY ASSIGNMENT

- 1a. Name FOUR supporting tissues in plant.
- b. Describe TWO of the supporting tissues under the sub-heading
 - i. Location
 - ii. Structure
 - iii. Functions
- 2a. With the aid of a well labelled diagram of 3-10cm, describe the internal structure of a dicotyledonous stem.
- b. State four differences between;
 - i. Monocotyledonous root and dicotyledonous root
 - ii. Monocotyledonous stem and Dicotyledonous stem.
3. Mention FOUR cells that are composed in each of the following and describe each of the cells with their functions.
 - i. Wood or Xylem Tissue
 - ii. Phloem Tissue

CHEMISTRY

1. $X_{(g)} + 2y_{(g)} \rightleftharpoons X\frac{1}{2}; \Delta H = -52KJmol^{-1}$
 - a. State what happens to the yield of xy_2 when temperature is increased.
 - b. Explain the effect of decrease in pressure on the equilibrium position.
 - c. State the effect of a catalyst on the;
 - i. position of equilibrium
 - ii. Activation energy
2. Consider the reaction represented by the equation;
 - i. Write an expression for equilibrium constant.
 - ii. Sketch an energy diagram for the toward reaction showing the profile for the catalysed and non-catalysed system
 - iii. State with reason, the effect of the following on the position of equilibrium of the system.
 - i. increase in temperature
 - ii. Increase in pressure
 - iii. removal of some of the SO_3 produced
 - iv. Presence of V_2O_5

ECONOMICS

1. Distinguish between Economic growth and Economic Development (At least 5 differences)
2. Highlight SEVEN reasons of Economic Planning.
3. Briefly explain the following types of Economic Integration.
 - i. Free trade
 - ii. Customs Union
 - iii. Common Market
 - iv. Economic Union

FINANCIAL ACCOUNTING

REGULAR: Account Extract

1. Question 105
 2. Question 109
- (Note that profit or loss sharing ratio is on equal basis)

HONOURS: Account Extract

1. Question 115
2. Refer to simplified Accounting Question 8x, page 408.