

HANDMAIDS GIRLS SECONDARY SCHOOL KUJE ABUJA
SECOND TERM HOLIDAY ASSIGNMENT 2020

SS 1 STUDENTS

➤ **FURTHER MATHEMATICS**

- 1) If θ is acute and $\cos\theta = \frac{3}{5}$, find:
(a) $\sin\theta$ (b) $\tan\theta$ (c) $\cot\theta$ (d) $\operatorname{cosec}\theta$ (e) $\sec\theta$
- 2) Given that the equation of a line is $4x - 3y + 12 = 0$, find;
(i) The intercepts, on both axes;
(ii) The slope of the line.

➤ **MATHEMATICS**

- 1) (a) Copy and complete the table below for $y = 3x^2 - 5x - 7$

X	-3	-2	-1	0	1	2	3	4	5
Y	35			-7	-9		5		

(b) Using a scale of 2cm = 1 unit on the x - axis and 2cm = 5 units on y - axis ,
Draw the graph of $y = 3x^2 - 5x - 7$
(c) (i) From the graph, find the roots of the equation; $3x^2 - 5x - 7 = 0$
(ii) From your graph, solve the equation $3x^2 - 5x + 10 = 0$
- 2) (a) Construct a $\triangle XYZ$, such that $|XY| = 9.0\text{cm}$ $\hat{X}YZ = 60^\circ$ and $\hat{XZY} = 75^\circ$. Measure $|XY|$.
(b) Using a ruler and pair of compasses only, construct
(i) The locus of a point equidistant from Y and Z
(ii) A point Q on this locus equidistant from \overline{YZ} and \overline{XY}

➤ **LITERATURE IN ENGLISH**

With close reference to John Kolosa's "let me Die Alone"

- 1) What makes Yoko a visionary leader
- 2) Evaluate the characters of lamboi and Musa as partners in crime.
- 3) What attributes make Yoko a likeable protagonist.

➤ **GEOGRAPHY**

- 1) Explain (3) basic concept of GIS
- 2) Explain the stages of river development with the aid of diagrams.

➤ **CHRISTIAN RELIGIOUS STUDIES**

- 1) With the aid of a diagram, draw about 3 social vices you know in the society in a full cardboard paper
(Number 1 - 10 in the register).
- 2) Draw showing the picture of group of individuals voting during an election.
(Number 11 - 20 in the register).

➤ **CHEMISTRY**

- 1) Read on the following topics:
 - 2) Types of water i.e soft and hard water
 - 3) Method of removing hard water
 - 4) Carbon and its compounds. i.e. allotropes and their characteristics
 - 5) Organic compounds and its characteristics i.e. Alkane, Alkene and Alkyne
 - 6) Crude oil and its characteristics
- Note: There will be resumption test on the above topics.

➤ **FINANCIAL ACCOUNTING**

- 1) Explain adjustment
- 2) What is Prepaid
- 3) What is Accruals
- 4) What is provisions

- 5) Define Depreciation
- 6) Mention five (5) method of computing depreciation

➤ **IGBO LANGUAGE**

- 1) Dee edemede maka onwe gi

➤ **GOVERNMENT**

- 1) Briefly explain the following;
 - (a) Citizen
 - (b) Rights
 - (c) Duties
 - (d) Obligations
 - (e) Citizenship.

➤ **ANIMAL HUSBANDRY**

- Study the theory part of your examination for resumption test.

➤ **ENGLISH STUDIES**

- 1) Write a letter to the Minister for Agriculture deploring the low level of food production in Nigeria and suggesting measures which the government should take to ensure that there is sufficient food for all.

➤ **PHYSICS**

- 1)
 - (a) Define elasticity
 - (b) State Hooke's law
 - (c) A Spiral spring natural length 1.5m is extended 0.005m by a force of 0.8N. What will be its length when the applied force is 3.2N?
- 2)
 - (a) Explain the difference between cohesion and Adhesion force
 - (b) A needle of length 10cm floats on water. If the force acting per unit length of the needle is 0.7N/m, calculate the surface tension supporting the weight of the needle.

➤ **PAINTING AND DECORATION**

- 1) Discuss three (3) techniques in painting (pictorial)
- 2) What do you understand by photomontage and who is Lucas Samaras
- 3) Differentiate between book jacket and book cover.
- 4) Make a leaf print using three primary colours and a secondary colour on a page of sketch pad.
- 5) Produce (3) three embossed sheet to enable you produce your projects.