

MADONNA MODEL SECONDARY SCHOOL, WORKS LAYOUT OWERRI.
EASTER HOLIDAY ASSIGNMENT 2023/2024 SESSION

S.S. 2

BIOLOGY Using examples, explain the following

- (i) open circulation (ii) double circulation (iii) heartbeat (iv) root pressure
2. Describe how plants in the arid regions of Africa control excessive loss of water from their leaves.

GOVERNMENT Define nationalism and differentiate between traditional and modern nationalism

ENGLISH LANGUAGE: Write down twenty British words with a different American spelling

LITERATURE: Write and discuss on five themes in the play 'Look Back in Anger'

CHEMISTRY: In your workbook by Chemezie Pasechal Amadi, solve page 21, chapter ten from 1 to 10.

PHYSICS In your physics practical workbook by Ukadike Emmanuel C, solve the problem of 1a and b then plot the graph

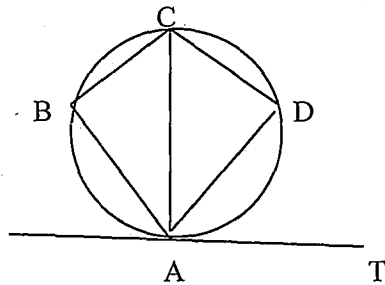
ANIMAL HUSBANDRY 1. State five pre-slaughter handlog measures that ensure high quality meat
2. Outline two milk products and the process of their production (3) mention six forms of preserved milk

CIVIC EDUCATION Read theme 5 of your civic education text book captioned 'Achieving popular participation in politics' With the aid of your civic education workbook, answer all the questions asked in that chapter or theme. This should be passed for marking immediately we are back from the Easter break

PHYSICS: Water of mass 1.5kg is heated from 30°C to 80°C using electric kettle which is rated 5A, 230V, calculate the time taken to reach the final temperature (shc of water = 4200J/kg/k)

MATHEMATIC

1. In the diagram below, TA is a tangent to the circle at A. If $\angle BCA = 40^\circ$ and $\angle DAT = 52^\circ$, find $\angle BAD$.



2. Find the roots of the equation $\frac{x}{2} - \frac{3}{x} = 1$

FURTHER MATHEMATICS: The new National Mathematics for SS 1 – 3 by Nnawuihe G. U. and Co. Read Differentiation. From pages 607 to 621. Try Ex. 24.6 nos 5 – 12, Ex. 24.7 no 8 Ex. 24.8 no. 10, Ex. 24.9 no. 15, ex. 24.10 no. 3C ex. 24.11 no. 7iii.