

GEITA ADVENTIST SECONDARY SCHOOL
HOME ASSIGNMENT FORM THREE

31/08/2020

BIOLOGY

1. What is the basic reason for the fact that animals show locomotion whereas plants do not?
2. a) Give out the similarities between the conifers and angiosperms.
b) Although plants have many advantages to man, they are also said to cause many problems to him. What do you consider to be the problems (advantages) of plants?
3. If the nature of nerve impulse is similar in all nerve fibers, how can you account for the fact that light and sound result in such distinctly different sensation in our brains?
4. a) Distinguish between diabetes insipidus and diabetes mellitus
b) What is the importance of blood sugar regulation in mammals?
c) State the functions of the following in sugar regulation;
 - I. Insulin hormone
 - II. Glucagon hormone.

CIVICS

1. Write short notes on the following terms
 - (i) Multipartism
 - (ii) Human rights
 - (iii) Positive relationship
 - (iv) Good leadership
 - (v) Life skills
2. (a) Outline five effects of road accidents
(b) List any five importance of work.
3. Although Tanzania has endowed with a lot of resources but it still a poor, explain why by giving five causes of the poverty
4. Explain four roles of a leader
5. Why we say Tanzania has a democratic leadership?
6. Civics is important in our daily life. Elaborate six roles of the subject to Tanzanians.

GEOGRAPHY

1. Discuss the positive and negative impacts of tourism in Tanzania.
2. Explain the problem facing HEP and production in Tanzania.

3. Explain how the climate, relief and time influence soil formation.
4. Write short notes the following geographical terms
 - (a) Soil fertility
 - (b) Soil structure
 - (c) Soil classification
 - (d) Leaching

HISTORY

1. Discuss the forces behind for the outbreak of the Great Trek at the Cape Colony and show its impacts in the interior of South Africa. **(Six points)**.
2. Critically discuss the Lord Lugard Indirect rule intention in Northern Nigeria. What worldwide interpretation in the policy by Example **(5 reasons)**.
3. Explain the **(3)** similarities and **(3)** differences between Association policy and direct rule.
4. Give an explanation on the rise and establishment of Portuguese rule in East Africa and its declined in East Africa **(6 points)**

KISWAHILI

1. Eleza sababu zilizo saidia kukua kwa Kiswahili baada ya uhuru.
2. Methali ni nyenzo muhimu sana katika kuhamasisha suala la kujituma ,fafanua hoja hizi kwa kutoa hoja nne(4).
3. Kwa kutumia riwaya mbili ulizozisoma ,onesha nafasi ya mwanamke katika jamii.kwa hoja zisizo pungua tano.

CHEMISTRY

State with reasons which of these elemen B/are

- (i) Heart gas (ii) Alkali metal (iii) Halogens.

1. (a) Suggest one good method for the separation of each of the following mixture.

i) Sodium chloride and water

iii) Alcohol and water

iv) The green solution from leaves

ii) Iodine and sand

(b) Kawago was washing his school uniform using river water and a bar soap. He took a long time to make his clothes look clean as usually water form a scum

i) What term used to describe such kind of water?

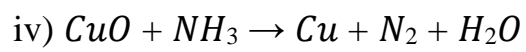
ii) Define the term you have named in (b) (i) above.

iii) Which substance are likely to cause such problem in river water?

2. (a) balance the following equations i) $Ca + H_3PO_4 \rightarrow Ca_3(PO_4)_2 + H_2$

ii) $Cu + HNO_3 \rightarrow C(NO_3)_2 + NO_2 + H_2O$

iii) $SnCl_2 + FeCl_3 \rightarrow SnCl_4 + FeCl_2$



(b) Define the following

i) Quantitative
analysis

ii) Titration

iii) Titrant

(c) What make one decide to use certain type of indicator during titration give two examples to support your answer.

PHYSICS

1. A rectangular box of mass 10kg rests on an incline with a coefficient of static friction of 0.55 and a coefficient of kinetic friction of 0.25
 - (a) At what angle will the box begin to slide?
 - (b) If the incline is kept at that angle after the box begins to slide, what will be the box's acceleration
2. (a) (i) Give two(2) applications of refractive index
 - (i) A coin at the bottom of a jar of glycerin appears to be 13.2cm below the surface of glycerin . Calculate the height of the column of glycerin in jar given that refractive index of glycerin is 1.47
 - (b) How does the increase of length and cross-section area of a conductor affect its resistance?
 - (c) A wire is 200cm long, 0.50mm in diameter and has a resistance of 3.0Ω . Another wire of the same material is 300cm long and 0.60mm diameter .What is the total resistance of the two wires when they are connected in series?

**NB/ ENGLISH AND MATHEMATICS WERE GIVEN ALREADY. ALSO
THERE IS NO BIBLE ASSIGNMENT.**
