

HALLMARK SECONDARY SCHOOL, ONDO
END OF FIRST TERM HOLIDAY ASSIGNMENT FOR 2019/2020 SESSION

CLASS: SSS 3
SUBJECT: GEOGRAPHY

1. With examples, discuss four factors responsible for the differences in distribution of population density in the world.
2. With examples, describe 4 types of manufacturing industries.
3. On a sketch map of Nigeria
 - i. Name two areas of with high and low population densities.
 - ii. One important town in each of the areas mentioned in (i). above.

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COMPUTER STUDIES

1. Discuss comprehensively what you understand by Viruses
 2. Explain what a Trojan is and how it works
 3. What is a worm?
 4. List various ways to keep your PC safe from viruses.
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SUBJECT: AGRIC SCIENCE

- 1a(i). Define hybridization
 - (ii). Differentiate between homozygous and heterozygous plant.
 - b. Outline six economic importance of crop diseases
 - c. State six cultural methods of controlling pests.
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- 2a. State four general management practices in a poultry farm.
 - b. Enumerate two control measures for each of the following animal diseases
 - i. Rinder pest ii. Aspergillosis iii. Anthrax iv. Coccidiosis
 - c. Outline four effects of feed shortage in animal production
 3. Prepare a balance Sheet account for Oyebimpe International farm as at 31st December 2019, with the following information.

	N	K
i. Bank savings	155, 000	
ii. Cooperative loan	210, 000	
iii. Farm implement	120, 000	
iv. Fertilizer	65, 000	
v. Land	250, 000	
vi. Tractor purchase	85, 000	

vii. Yam serfs 105, 000

Net worth statement is also known as

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SUBJECT: CHEMISTRY

1. Make a research on inter net
 - a. Write all the ingredient required in making
 - i. liquid soap
 - ii. Laundry soap and their functions
 - b. Write the procedure required in a(i) and a(ii). respectively

2. 5.6dm^3 of oxygen was evolved at the anode during the electrolysis of dilute copperII, tetraoxosulphate VI using platinum electrodes.
What mass of copper is deposited at the cathode during the process?
(Cu = 64, molar gas volume of a gas at 22.4dm^3 , If = 96500c)

- b(i). What are carbohydrates?
 - ii. State the 3 classes of carbohydrates
 - iii. Classify carbohydrates into reducing and non-reducing sugars.
 - iv. What chemical test would you use to identify starch in the laboratory?
- c. Write out with options and underline the correct options the objective questions for WAEC 2019.

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SUBJECT: ECONOMICS

Manufacturing and construction industries.

- 1a. Draw a sketched map of Nigeria. On the map locate and name:
 - i. The mid – west industrial zone.
 - ii. The south – east industrial zone
 - iii. The North – central industrial zone.
 - iv. One important town in each zone in I – iii above.

 - b. Highlight three problems facing manufacturing industries in Nigeria.
 - c. Suggest solutions to any two of the problems highlighted in (a) above.
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SUBJECT : YORUBA LANGUAGE

Daruko orisii:

- a. Oro – ise marun-un
- b. Oro – oruko marun-un
- d. Oro – eyan meta

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SUBJECT : FURTHER MATHEMATICS

Solve the following questions

1a. If $y = (2x + 7)^7 + \frac{x-1}{2x-1}$, find the value of $\frac{dy}{dx}$ when $x = -1$

b. Using the substitution $U = x + 2$

Evaluate $\int_2^3 \frac{x-1}{(x+2)^4} dx$

2. Integrate the following

(a). $\int x^2 \cos x dx$

(b). $\int \sin^2 \frac{1}{2} x dx$

(c). $\int \frac{dx}{x^2+4x+13}$

(d). $\int \frac{2x+3}{(2x+1)(x-1)} dx$

3. Find y in terms of x if $\frac{d^2y}{dx^2} = 6x - 4$ and further $y = 0$ when $x = 0$ and $\frac{dy}{dx} = 3$ when $x = 0$.

4a. Calculate the area of the finite region enclosed between the curve $y = x^2 + 2$ and the line $y = 4x + 2$.

b. Calculate also the volume of the solid generated when the finite region in (a) is rotated completely about the X-axis.

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SUBJECT : C R K

- 1. Read "Law and Grace" and state significance of Law and Grace.
- 2. Read New life in Christ and state how Christians have to show their new life in Christ.

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SUBJECT : GENERAL MATHEMATICS

Refer to your examination /result pack (envelop), answer all the theory questions on your first term examination.

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SUBJECT : ENGLISH LANGUAGE

- 1a. What is a sentence?
 - b. What are the elements of a sentence?

 - 2a. Differentiate between a finite and non-finite verb.
 - b. Give twenty idiomatic expressions and use them in sentences.
 - c. Study synonyms and Antonyms in your WAEC series.

 - 3a. Enumerate the features of the following:
 - b. Formal letter
 - (i). Informal letter
 - (ii). Semi-formal letter

 4. Write an article suitable for publication on the ways of getting the youth to be interested in their studies in order to achieve academic excellence.
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SUBJECT : FINANCIAL ACCOUNTING

1. Identify and explain the accounting concepts.

 2. Commercial and industrial organizations are set up principally to make profits, but non-profit making organizations like clubs, societies and charitable bodies are not profit oriented but to provide services to their members.
Explain the following terminologies
(I). Surplus (ii). Deficit (lii). Subscription (Iv). Donation
(V). Subscription in Arrears. (Vi). Subscription in Advance.
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SUBJECT : TECHNICAL DRAWING

Refer to WASSCE 2018 Technical Drawing and answer the following questions:

1. Paper 2 (Essay) - Questions 1 and 2.
2. Paper 3 (Practical Drawing) – Question 1 – 3.
Note: Answer all questions in an A3 or A2 drawing paper.

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CLASS: SS 3

SUBJECT : PHYSICS

1. A cathode initial mass 10.00g weighs 10.05g after a current of 3A passes through the voltammeter for 10 minutes. Calculate the electrochemical equivalent of the metal deposited.
2. At what time must a current of 5A pass through a solution of Zinc sulphate to deposit 1g of Zinc
(e.c.e = 0.000387g c^{-1})
3. In an electrolysis experiment the ammeter records a steady current of 1A. The mass of copper deposited is 0.66g in 30 minutes. Calculate the error in the ammeter reading
(e. c. e = 0.00033g c^{-1}).
4. During the electrolysis of copper II tetraoxosulphate VI solution, a steady current of $4.0 \times 10^2\text{A}$ flowing for one hour liberated 0.48g of copper. Calculate the mass of copper liberated by one coulomb of charge.
5. A piece of metal has an area of 400m^2 and it takes 62.5 minutes to deposit a layer of silver 0.1 mm thick. How much current is needed for the experiment. (density of silver = 10.5gcm^{-3} , e.c.e = 0.00112g/c)
6. A unit of water and silver voltammeters are in series. If 0.5kg of oxygen is deposited at the end of a period, what is the mass of silver deposited? The charges on silver ion and oxygen ion are 1 and 2 respectively).

SUBJECT : BIOLOGY

- 1a. Explain briefly sexual reproduction in Rhizopus.
- bi. In a tabular form, state three differences between excretion in flowering plants and excretion in humans.

- ii. List two organelles found in a plant cell that are responsible for the excretion of metabolic wastes.
- 2a. Describe the mechanism of seeing in man.
- b. Draw a well-labelled diagram (8 – 10 cm long) of the longitudinal section of a mammalian kidney.

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CLASS: SS 3

SUBJECT : FISHERIES

- 1a. Mention four effects of the weeds on the fingerlings in a nursery fish pond that was covered with aquatic weeds
- b. Write short notes on the following term:
 - i. Algal bloom
 - ii. Test cropping
 - iii. Aquarium
- ci. Define fish disease.
- ii. Mention four anti-biotics used in the treatment of fish diseases.
- iii. State four effects of high temperature of fish disease.
- iv. State 4 effects of high temperature on cultured fish.
- d. Define Mariculture.
- 2a. Explain the following by-laws in fishing:
 - i. close season
 - ii. avoidance of over fishing.
- b. State 4 causes of fish mortality during transportation.

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SUBJECT : HOME MANAGEMENT AND CCP

Your mother has travelled and you have to do the weekend cleaning with your siblings.

- a. Prepare a very quick breakfast.
- b. Launder your mother's house wear.
- c. clean a framed family picture
- d. clean a plain kitchen table.

NOTE: Write out the procedures for carrying out these activities and show your time plan/time schedule.

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SSS 3

SUBJECT : GOVERNMENT

1. What are the functions of secretary General of UN (United Nation).
 2. What are the achievement and weaknesses of the military regime from 1966 to 1998 in Nigeria.
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SUBJECT : HISTORY

1. Read and answer questions on "Colonial Economy" using the WAEC past questions I gave you as a case study.
2. What are the causes and effects of the Kiriji War.
3. What are the effects of the Trans Atlantic slave trade?