



KINGCOLLINS SECONDARY SCHOOL

ACADEMIC AND QUALITY ASSURANCE DEPARTMENT

FORM FOUR WEEK FIVE HOME PACKAGE

Time: 27th April – 1st May 2020

1. Answer **ALL** questions in this paper according to your subject combination.
2. All workings should be written in the respective subject exercise book.
3. Any need for consultation use the following phone numbers for teachers.

- i. Sir Yohana 0769962485
- ii. Sir Zabron 0757057265/0621912238
- iii. Sir Msigala 0769622985/0684716417
- iv. Sir Lupembela 0684874330/0757219175
- v. Sir Lwaka 0752787754
- vi. Sir Tumain 0766598767
- vii. Sir Nicolaus 0768078981/0625609368
- viii. Sir Elikana 0767033979
- ix. Sir Martine 0759053233
- x. Sir Mbena 0658228822
- xi. Md. Leilah 0787438305
- xii. Sir Kdibuka 0693113996

GEOGRAPHY

1. It is a rainy season. Your areas have developed many ponds. You are the only form three student at your area that has studied the concept of overcoming obstacles in chain survey. What would you do to overcome a pond during chain survey at your area?
2. It is true that “the graphic method of surveying in which field work and office work are done simultaneously in the field is plane table survey”. What are the importance of plane table survey to geographers? (5 points).
3. (a). Discuss three principles of conducting prismatic compass survey.
(b). What are the methods of conducting prismatic compass survey? Explain them.
4. What would you do when preparing a chain survey? (Use five points).
5. (a). Discuss five characteristics of a research problem.
(b). Discuss four sources of research problem.
(c). why literature is important during research? (Four points).

KISWAHILI

1. Wewe ni mwanafunzi uliyetunukiwa cheti cha mwanafunzi bora katika somo la Kiswahili wakati wa mahafali ya kidato cha nne mwaka 2019. Mwalimu Msigala amekuteua uwafundishe wanafunzi wa kidato cha tatu mjengo wa tungo hasa kuhusu aina za tungo. Fafanua aina zote za tungo kwa weledi na ufasaha huku ukitoa mifano dhahiri.
2. Unajiandaa kwa ajili ya kuwasilisha kazi ya kikundi chenu darasani kuhusu risala na hotuba. Fafanua kinagaubaga tofauti nne (4) zilizopo baina ya matini hizo kasha andaa risala ya wahitimu wa kidato cha nne shule ya sekondari KingCollins 2020 (isipungue ukurasa mmoja na nusu).

BOOK KEEPING

1. A trial balance was extracted on 31 March 2012 and the totals did not agree. As a result, a suspense account was opened. During April 2012, the following errors were discovered.
 - (a) Discounts received of Tshs 50 were treated in the general ledger account as though it were discounts allowed.
 - (b) Carriage inwards of Tshs 78 was mistaken as carriage outwards.
 - (c) Wages paid by cheque of Tshs 97 was entered in the wages account correctly but in the bank account as an income of Tshs79.
 - (d) Returns inwards of Tshs 17 from F. Grew were credited to the personal account of F. Glue by mistake.
 - (e) A credit sale to Silly Sausage Ltd for Tshs 76 was debited to sales and credited to the personal account.
 - (f) Purchases of Tshs 64 on credit from A. Bell were only entered in the personal account.

Produce the journal entries needed to correct the errors and make corresponding entries, where appropriate, in the suspense account and calculate the initial discrepancy from the trial balance. Show clearly the workings for ledger.

2. A trial balance was extracted on 31 December 2008 and the totals did not agree, there being a Tshs 54 shortage on the credit column. As a result, a suspense account was opened. In January 2009, the following errors were discovered.
 - (a) Cash paid into the bank of Tshs 44 was entered on the credit side of both accounts.
 - (b) Insurance paid by cheque was entered as Tshs 87 when it should have been Tshs 78.
 - (c) Returns outwards of Tshs 90 was treated correctly in the creditor's account but was then debited to returns inwards.
 - (d) A sale of Tshs 158 on credit to J. Saunders was only entered into the sales account.
 - (e) Extra capital contributed in the form of Tshs 320 cash was entered correctly in cash but as Tshs 230 in the capital account.

Produce the journal entries needed to correct the errors and make corresponding entries, where appropriate, in the suspense account.

3. For the following errors state whether or not the correction of the error would require an entry to be made in a suspense account.
 - (a) Sales account overcast by Tshs 30.
 - (b) Drawings entered in the credit side of the account.
 - (c) Insurance of Tshs 56 paid in cash was entered in both accounts as Tshs 156.
 - (d) Returns inwards of Tshs 42 were entered into returns outwards by mistake.
 - (e) Purchases of goods on credit for Tshs 198 from G. Bannister was missed out completely.
 - (f) Capital contributed into the firm by the owner was credited to sales in error.
 - (g) Payment received from a debtor was credited to the bank account.
 - (h) Discounts received of Tshs 50 was entered in commission received by mistake.
4. The following totals of Peter Yarrow's trial balance on 30 April 2009 did not agree and were as follows:

Debit Tshs 18,312

Credit Tshs 17,482

An accountant friend checked through the accounts and found the following mistakes:

- (a) Discounts allowed have been entered as a credit entry of Tshs 470. However, the true figure for this entry of discounts allowed should have been Tshs 280.
- (b) Rent received by cheque of Tshs 630 was only entered into the cash book.
- (c) The sales day book was under cast by Tshs 950.
- (d) Yarrow withdrew Tshs 810 from the bank for his own use. He had entered this as a sundry expense.

Produce the journal entries required to correct these errors and the suspense account

BIOLOGY

1. Write five classes found in phylum Animalia, And give two examples of organisms found in each class
2. (a) With the aid of well labelled diagram , explain how a sperm is adapted to its function
(b) With examples explain five importance of excretory products

COMMERCE

1. (a) Outline four benefits to a trader who operates a small retail outlet.
(b) Give two reasons why you think mail order store are not so popular in Tanzania.
(c) Give four characteristics of a self-service shop
2. (a) explain the following types of insurance policies and indicate when it would be appropriate to take each of them
 - i. Personal accident policy
 - ii. Endowment policy
 - iii. Whole life policy
(b) Your house which is situated near a major road is insured against fire which may arise from within. An oil tanker passing by happens to overturn near to your house and catches fire which burns down your house. You decide to go to insurance company to seek for compensation. The company refuses to give compensation for the loss of your house.
 - i. Why the company does refuses to compensate your claim?
 - ii. Which principle of insurance has applied by the company?
3. (a) Give four difference between current account and fixed deposit account.
(b) Your debtor has given you a property drawn and crossed cheque. On presenting it to the bank for payment over the counter, the clerk makes the following comment “the drawer has sufficient fund, but am sorry we cannot cash it” give five possible reasons why this is so.
4. In Tanzania mainland, the resident individual income tax is charged under:
 - Income less than shs 170,000-NIL
 - Income from shs 170,000 to shs 360,000-9%
 - Income over shs 360,000-17,000 plus 20% of excess.John earns monthly salary of shs 500,000.
Calculate
 - i. The amount tax John is entitled to pay to the government
 - ii. The actual amount paid to John per month
5. Explain five factors that may promote the growth of entrepreneurship in Tanzania.



HISTORY

1. Explain any six factors which determined the nature of economic activities performed by East African pre-colonial societies.
2. Describe six ways which were used by the colonial government to ensure to ensure constant supply of labour in farms, mining sector and plantations.
3. Examine the strengths and of Education in Africa after Independence (Give eight points)

CIVICS

1. "The government of Tanzania like any other government in the world spends money for its population." In the light of this statement, explain six main areas where the central government of Tanzania spends its money.
2. Explain six sources of central government revenue.
3. (a). Outline five advantages of team work
(b). List down five conditions for a person to be granted Tanzanian citizenship by Registration.

ENGLISH LANGUAGE

1. An MJ enterprise has advertised in the daily newspaper of 23rd April, 2020, that they need a sales assistant officer. Apply to the vacance by writing to Administrative Manager, MJ enterprises, P.O.BOX 419, Njombe. Sign your name Kasowa.
2. Write a story ending with "At that moment the door of my bedroom opened slowly. (Not less than 250 words)
3. Poets are members of the society, they write poems revealing the problems which are in their societies so they use poems to fight against such problems. How true is such a statement using the two (2) poems you have read under this section. Give three points from each.

PHYSICS

1. (a) (i) What is meant by beats as applied to sound waves.
(ii) Under what conditions are beats produced?
(b) (i) Explain four (4) difference between an electromagnetic waves and mechanical waves.
(ii) Account for the fact that a distant flash is seen before the thunder is heard.
(c) Two students are stand 200m apart on one side of a high vertical cliff at the same perpendicular distance from it. When one fires a gun the other hears the sound 0.65 seconds after the flash and the second sound 0.25sec after the first sound.

Calculate:

- (i) The velocity of sound in air.
- (ii) The perpendicular distance of the men from the wall

2. (a) What is meant by the following terms
- (i) Volcanoes
 - (iii) Constellation
- (b) (i) Mention two merits and demerits of volcanoes
- (ii) What is global warming?
 - (iii) Give two measures that can be taken to control global warming.
- (c) (i) Is scorpion a galaxy or constellation? Give reasons
- (ii) Distinguish between planet and star.
 - (iii) Explain how ocean tides occur

CHEMISTRY

1. Explain why do the colour of indicator do change during titration reaction?
2. What is the role of indicator in the titration experiment?
3. Briefly explain the mechanism of electrolysis and the electrode reactions.
4. Write the isomers of the alkanes give their names in each. From carbon number 4 to 10.
5. A. Explain the factors affecting the rate of chemical reactions.
B. Explain how the Equilibrium position will be affected in reaction between nitrogen and hydrogen to produce ammonia gas. Assume the energy of the reaction in negative. When.
 - i. Temperature is increased
 - ii. Temperature is decreased
 - iii. Pressure is increased
 - iv. Pressure is decreased
 - v. Nitrogen gas is pumped in the system
 - vi. Ammonia gas is introduced in a system
 - vii. Catalyst is used
6. By using the reactivity series explain how metals react with water. Give their reaction in each case.
7. Briefly explain the concept of soil fertility and soil productivity.

BASIC MATHEMATICS

1. Express 0.3125125..... as a ratio of two integers in its simplest form
2. Find the possible values of x and y for these simultaneous equations
$$2x + y = 8$$
$$x^2 + xy - y^2 = 11$$
3. Solve the equation $x^2 - 6x - 16 = 0$ by completing the square
4. Solve for x if $\sin x^\circ = 0.5$
5. Find the sum of all integers between 20 and 200
6. Find the two numbers with Arithmetic mean 26 and Geometric mean 20

7. The eight term of an Arithmetic sequence is 12 and the sum of the first eight terms is twelve. Find the tenth term.
8. The following information relates to Mr. Mbago a trader as at 30th ,November 2011
- | | |
|-----------------------|---------------------------|
| Sales | Tsh 550,000/= |
| Cost of sales | 55% of sales |
| Stock at 01. 01. 2011 | 100,000/= |
| Net profit | 20% Of sales |
| Stock at 30. 11. 2011 | 20% of cost of goods sold |
- Calculate;
- Cost of sales
 - Closing stock
 - Purchases
 - Net profit
 - Expenses
9. An integer is selected at random from the numbers lying between 50 and 60 inclusive. Find the probability that the selected number is;
- Prime
 - A multiple of two
 - A multiple of five
 - A square of a whole number
10. a) What is a linear transformation?
b) Is translation a linear transformation? Give reason (s)
c) A translation takes the point (-4, 7) to (12, -8). Find where it will take the point (5,8)
d) A linear transformation maps the point (x,y) onto (X^1, y^1) where $(x^1, y^1) = (x+y, -x+2y)$. Determine the matrix T of this transformation; hence find the determinant and inverse of T