mwalimuepublishers@gmail.com

# HOLIDAY ASSIGNMENT

# FORM 3 SET 1 ALL SUBJECTS

## Attempt this assignment &Present on Opening Day

## For Marking Schemes/Answers Call 0705525657

**NAME: …… ADM NO: ……..**

**SCHOOL: …… CANDIDATE'S SIGN: ……**

## ENGLISH PAPER 1

I. Imagine that it is your first day in a new school. Write an entry in your journal indicating the things that surprised you, those that scared you and those that made you happy. (20 marks)

### II. Cloze test

The new constitution has bestowed the Supreme Court all_____ , role of arbitrating the _____ arising out of presidential elections. The court currently has a golden opportunity to clearly_____ that it is worth the confidence of Kenyans Kenya's are_____ with bated breath to see the _____making a determination on the _____ lodged by the CORD Alliance in an_____ and completely impartial manner that will_____ all the parties. Indeed, the_____ of Kenyans are varied and either way, the court's _____ will be interpreted as either a win or loss for jubilee or CORD alliance.

### ORAL SKILLS (30marks)

***(a). Read the following poem and answer the questions below:-***

**I want to Die While You Love Me**

I want to die while you love me
While yet you hold me fair
While laughter lies upon my lips
And lights are in my hair

I want to die while you love me
I could not bear to see
The glory of this perfect day
Grows dim- or crease to be

I want to die while you love
Oh! Who would care to live
Till love has nothing more to ask
And nothing more to give.

I want to die while you love me
And bear to that still bed
Your kisses turbulent unspent

To warm me when I'm dead

***Questions***

i) Construct the rhyme scheme of this poem.

ii) Which pair of words rhyme in this poem?

iii) Which words would you stress in the first and second line and why?

iv) What is the effect of repetition in this poem?

v) How would you perform the first two lines?

vi) How would you say the last stanza.

b) Explain what each of the following non-verbal cues mean in a conversation

i) Frowning …….

ii) Pacing up and down ……

iii) Shrugging shoulders ……

iv) Winking ……

v) Raising both hands up the sky ……..

c) Identify any four pairs of words in the following list that have the same vowel sounds;

| | | | |
|---|---|---|---|
| Mad | eat | full | lap |
| Cat | it | mud | bet |
| Cut | look | feat | if |
| Love | boot | fit | |
| Beat | pool | further | |
| Lit | father | hut | |

d) Explain how you would avoid speaking in monotonous manner to make your listeners attentive. (6 mks)

e) The following words have been misspelt. Rewrite them correctly

i) The prefect was privileged to have special diet.

ii) The students managed to rescue their colleague's from the burning dormitory.

iii) The professor managed to convince the crowd to vote for him.

iv) The collage will close for one week to allow for repairs.

v) Lack of proper maintenance on any machine makes it to break down frequently.

# SET 1 HOLIDAY ASSIGNMENT

**NAME: _____ ADM NO:_____**

**DATE: _____**

# 101/2 ENGLISH

***III. Read the passage below and answer the questions that follow:-***

**THE DETOX DEBATE**

Detox kits and supplements are recent health feds. But can they really help you lose weight fast? Online weight loss coach Adrew Cate investigates.

We've heard a lot about the need to detox lately. It is the term used to describe a strict program of elimination and supplementation that's meant to rid your body of impurities, cleaning your liver and kidneys, and flushing your bowel. It's suggested that toxins build up from consuming too much fat, sugar, alcohol, caffeine, preservatives, and pollution.

There's no shortage of detox books, kits, and programs claiming to help you shed weight, improve your well being, cause your skin to radiate, and make you feel younger. The kits usually contain a dietary program, which is supplemented with a variety of vitamins, minerals, tonics, digestive aids, and laxatives. They are particularly popular in January as people feel the urge to begin the New Year afresh after overindulging during the festive season.

People will make drastic changes when they go on a detox diet and often feel better for starting a structured regime. However, detox kits made up of herbal laxatives and diuretics are unnecessary and have generally to have no blood of fats, alcohol, and other nasties – all without the help of a fancy box from your local pharmacy. There is no scientific evidence to support specific detox diets, programs, or supplement kits. However, there's no debate about the fact that eating less junk food, cutting out cigarettes and your alcohol intake, etc will benefit your health. For example, drinking more water and cutting out caffeine will improve your hydration levels, while reducing your portion sizes and increasing your vegetable intake will improve bowel function. These changes will enhance your well-being, but there's nothing magical about the detox diet itself. Rather, it's the associated lifestyle changes that benefit your health.

Detox kits that contain laxatives and diuretics to encourage you to fast could, potentially, do more harm than good. Laxatives speed up your bowel motions, but also prevent the absorption of nutrients, while diuretics can result to partial dehydration.

The fasting components of a detox should only be minimal, and not extend beyond a day or two. By eating next to nothing, you are not getting enough nutrients for the essential functions of your body. Supplements are no substitute for real food, and relying solely on them can result in vitamin deficiencies.

Fasting is also known to slow down your metabolic rate, which encourages your body to store fat, making it harder to lose body fat in the future.

If you've spent weeks, months or years overindulging drinking and smoking you can't hope to fix yourself in a few days. Detox diets aren't an instant cure to health and wellness. Short-term changes to your diet and lifestyle over the long term, there's no point starting them, as they won't have any serious impact upon your health.

(a) What is **detoxing**? (2 mks)

(b) From the information given in the passage, what builds up toxins in the body? (2 mks)

(c) Give the contents of the detox kit. (2 mks)

(d) When do detox kits sell most? (1 mk)

(e) In about 80 words, summarize the writer's arguments on whether we need to detox or not. (5mks)

Rough copy

Fair copy

(f) Outline the dangers of detox diets. (3 mks)

(g) Add a question tag to the following statement. (1 mks)
Detox diets aren't an instant cure to health and wellness, ……..

(h) We've heard a lot about the need to detox lately. (Rewrite the sentence as a question without changing the meaning). (1 mks)

(i) Explain the meaning of the following words as used in this passage. (3 mks)
Laxatives

Overindulging

Deficiencies

***Read the story below and then answer the questions that follow;***

## KAHURU THE CROW

One day Wamabuku, the rabbit decided to give a party. He invited all the other animals that had invited him before to similar parties. For the party Wamabuku had slaughtered many fat goats and cows. On the day of the party, Wamabuku got all his servants to decorate his house for the fiesta. All the animals arrived in rapid succession – Wamuthige the hyena and his family, Wamacege the porcupine, Kahuru the crow and may others.

The animals ate the meat to their satisfaction. After the meal they began to dance. In the evening, the party was over and animals prepared to leave. Wamuthige the hyena and his family being greedy

animals decided to get more meat from Wamabuku was surprised at their greed and decided to teach them a lesson. Wamabuku told the hyena that only the "undesirable" fat meat was remaining. Since hyena love fat meat their mouths became moist with saliva.

Wamabuku then sent his servants to the garden to collect all his young thriving gourds. The gourds were split into halves. The succulent white inside called "mego" was removed. Since it is exceedingly bitter so liquid fat was poured over the 'mego'. The hyenas were shown the melting mego. At the sight, the hyenas became panicky.

Wamuthige, after some thinking, called "Kahuru," he said, please get a thread and needle. Then come and knit out outlets tight so that when we have eaten all this melting meat, we shall not water any. It is so sweet and we can't afford to have delicacies waster."

Kahuru, being a kind-hearted family, went to fetch a needle and thread. Meanwhile the hyenas ate nearly all the mego. When Kahuru returned with the needle and thread he was asked to start his operation on the hyenas.

The mego in the hyenas stomachs had intermingled with the meat and other food. All the hyenas were suffering from flatulence. When Kahuru started, the hyenas started to get stouter and stouter due to the air in their stomachs. The hyenas brought their hindquarters as near to Wakahuru as possible so that Wakahuru did not miss any.

When the hyenas were so swollen up that they could swell not more all their back openings burst with pressure. All the stuff from inside the hyenas liquid and solid, was deposited on him. So much was put there, that he lay covered all over and helpless. The hyenas left without helping Kahuru from his disgrace. Kahuru did not know what had happened and anyway, he was not to blame.

That night, the rain fell in abundance and drenched the countryside. Kahuru was cleaned. He flew to the nearest tree and perched there. In the morning he found he could see and flew to his home.

A few weeks later Kahuru decided to give a feast especially for the hyenas. He notified Wamuthige, who collected all the hyenas. The party was to be in Kahuru's home. Kahuru was to carry all the hyenas up, since hyenas don't fly. Kahuru chose a spot where the hyenas could assemble, and told them to hold each other by the tail. Then Kahuru would take Wamuthige who would be in the front. Thus all the other hyenas would be pulled behind in along string.

While they were waiting, the hyenas hanced, singing.

***We are going up high to eat fat, fat meat,***

***And we we say 'fat'***

***We mean meat purely white***

When Kahuru arrived and picked up the first hyena all others followed still singing happily. When they had flown up many miles, Kahuru shouted at the last hyena, "Can you still see the ground?" "Yes," was the reply. They flew on, still singing until they could see the ground no longer.

Then Kahuru told the hyenas to stop singing and make ready for "white" meat. Then all of a sudden, he let Wamuthige go, and through the air the hyenas dropped. The fall was a great one. Kahuru flew down, and from a safe distance, jeered teasingly at the groaning, fractured cripples. Then he flew happily back to his home.

**QUESTIONS:**

vi) Classify this narrative. Give reasons (2 mks)

vii) Identify three features in the narrative and explain the effect of each. (3 mks)

viii) State and explain the character trait of
vii) Wamuthige (1 mks)

viii) Kahuru (1 mks)

ix) What do we learn about the socio-economic activities of the people from whom this narrative was taken? (4 mks)

x) What is the function of a song in this narrative. (4 mks)

xi) (i) Give **one** moral lesson that we learn from this narrative. (1 mks)

(ii) Suggest a proverb to summarize the lesson you have given. (2 mks)

(iii) State **two** performance techniques that would be used to make this narrative enjoyable. (2 mks)

The River and the source by "Margaret Ogola pg 22-23

Feel free to do so…… Ayie, I have accepted.

1. Place the extract in its immediate context (4mrks)

2. "Women are all the same Owour- lets get out of here" said Otieno. Write in reported speech. (2mrks)

3. Explain the character of
   i. The chief- Owour
   ii. Odero
   iii. Otieno (6mrks)

4. Explain the meaning of the underlined words

a. You will be Owour Kemboi a man of style the famous or who paid up without <u>demur.</u>

b. Why should these people <u>vip</u> us like this.

c. A son in law had to <u>comport</u> himself with great dignity. (3mks)

5. Identify and explain two styles used in the extract.
   i.

6. "All women are not the same". The Chief observed. Explain what happens later in the novel to justify this in the life of the chief (2mrks)

7. Why is Akoko feeling that her father should give her a piece of land. (2mrks)

8. Why is the " Mikai" important in this culture" (2mrks)

**<u>GRAMMAR</u>**

Use the correct form of words in brackets to complete each of the following sentences (3mks)

1. Nobody expected the company to make _____ (lose)
2. The three_____ (passer-by) were arrested.
3. She has spent a lot of time_____ (beautiful) her compound.

**Correct the errors in the following sentences**

i) It is an important occasion

ii) The cite was lovely

iii) It is embracing to mispronounce words (3mks)

Fill in the blank forming adjectives from the given in brackets.

vi) John was _____ of his neighbours success (envy)
vii) I felt _____ about not being able to help (awe)
viii) He took a _____ leave after the father died (compassion) (3mks)

Fill the blank spaces with the correct preposition

1. I am indebted _____ him for the help he gave me.
2. She has always confided_____ him.
3. The ailing man has been in bed_____ the whole week. (3mrks)

Rewrite the following sentences according to the instructions given. Do not change the meaning.

1. He threatened us. He was insolent

   (Begin: Not only)

2. You will only succeed if you work hard

   (Rewrite using unless)

3. When the people burst into the councillors office he had not even sat down.

   (Begin hardly)

# SET 1 HOLIDAY ASSIGNMENT

## JINA:

## …….DARASA:……..NAMBARI:……..

**mwalimuepublishers@gmail.com**

# KISWAHILI KARATASI YA 1

# INSHA

## KIDATO CHA TATU.

**MAAGIZO:**

**ix)Jibu maswali mawili.**
**x) Swali la kwanza ni la lazima.**
**xi)Chagua swali moja kati ya maswali matatu yaliyobaki.**
**xii) Kila insha isipungue maneno 400.**

**Maswali:**

xii) Lazima:
Andika mahojiano kati ya mwalimu mkuu na mzazi wa mwanafunzi aliyepotoka kimaandili. (ala 20)

xiii) Rununu zimeleta madhara mengi kuliko faida. Jadili. (ala 20)

xiv) Andika kisa kudhihirisha ukweli wa methali.
'Nazi mbovu harabu ya nzima.' (ala 20)

xv) Andika insha itakayomalizia kwa maneno haya. (ala 20)
'……nilipo yakumbuka maneno hayo ya mama, nilihisi laity ningalijua.

# SET 1 HOLIDAY ASSIGNMENT

## JINA:…….DARASA:……...NAMBARI:……..

## KISWAHILI KARATASI YA 2

# KIDATO CHA TATU.

## Maagizo.

Jibu maswali yote .

1. **UFAHAMU (alama 15)**

**Soma kifungu kifuatacho kisha ujibu maswali**

Haki za watoto na wanawake

Makamishina wa Tume za Haki za Binadamu, waandalizi, waalikwa, watoto, mabibi na mabwana. Kwa muda mrefu kumekuwa na tofauti katika uhusiano baina ya wanajamii. Tofauti hizi zimewapelekea wanawake na watoto kudunishwa. Udunishaji unachukua mwelekeo mbaya zaidi kama watoto ni wa kike.

Kupuuzwa kwa wanawake na watoto kuna historia ndefu. Jambo hili limepata **usugu** kutokana na imani hasi **zilizoota akilini** mwa wanaume na hata wanawake. **Rasilimali** na majukumu yamegawanywa kwa misingi inayowatabakisha wanajamii kuanzia wanaume, wanawake halafu chini kabisa watoto. Katika jamii nyingi, wanawake na watoto wa kike hawarithi ,chochote ingawa ndio wenye mchango mkubwa katika uzalishaji mali. Aidha mchango wao kuhusu masuala muhimu nyumbani na katika jamii hupuzwa hate kama wamesoma kutiko waume na akina baba zao.

Inasikitish7a kuwa wanawake na watoto hawana sauti kuhusu uamuzi nyumbani. Wao hulazimishwa kutenda wanavyoamriwa na wanaume.Kwa mfano, si ajabu mwanamke kulazimishwe kupika pombe na watoto kusukumizwa kwenda kununua sigara. Yote haya ni kinyume cha matarajio ya Umoja wa Mataifa kuhusu haki za binadamu.

Ili kuzuia tabia ya ‘ujuaji’, wanaume wengi hupiga marufuku redio, simu, magazeti na televisheni kwa wanawake na watoto. Amri hii hutekelezwa vikali ill wahusika wasijifunze tabia ye **kukaidi amri**za wazee. Pengine hii ndiyo sababu katika jamii fulani, neno mzee lina maana moja tu; ya wanaume waliokomaa kiumri wale si wenawake. Hii si kweli.

Haki za binadamu ni msingi we utu. Bila haki hizo mwanadamu hawezi kutumia vipawa na uwezo wake wa kiakili na kihisia kikamilifu.Udunishaji wa wanawake na watoto unapingana na ukweli huu. Imanipotofu zinazoendeleza uovu huu zimejikita akilini na katika utamaduni. Zinahitaji kuondolewa. Nafurahi kuwa **mmeibua** mikakati thabiti ya kulipiga vita tatizo hili. Kwa kweli, sherehe kama hizi ni muhimu sana katika kuwafumbua macho wadau kuhusu haki za wanawake na watoto. Naamini hotuba zilizotolewa hapa zitakuwa mbegu zitakazochipua mabadiliko katika fikra na matendo ye watu. Yafaa watu wakubali kuwa mke na watoto ni wenza na wadau katika safari ndefu ye maisha.

Nimeona mabango, maigizo, ngoma na michoro ya waume kwa wake, wazee kwa watoto na wavulana kwa wasichana kuhusu made hii. Ujumbe umewasilishwa wazi. Ni **moyo uliofumwa kwa chuma** tu ambao hauwezi kuathiriwa na ujunibe kuhusu nafasi ya wanawake kurithi na kusikilizwa. Lakini vita vya panga haviamuliwi kwa fimbo. Kilichobaki sasa ni kufanya utatiti wa kukusanya data kuhusu mielekeo na

itikadi zinazopingana na lengo letu. Kutokana na matokeo, mikakati iwekwe ili kuvunja nguvu, desturi zinazochochea taasubi za kiume.

Mabibi na mabwana, yapasa juhudi zifanywe za kusambaza habari kuhusu umuhimu wa kuheshimu na kujali binadamu wote na mchango wao. Aidha hatuna budi kuhakikisha nafasi sawa kwa kite mtu kutoa maoni na kusikizwa. Litakuwa jambo la kusikitisha kama jamii itasahau mchango wa wanawake na watoto katika kuzalisha na kulinda mali. Twahitaji kuondoa uoga kutoka kwa mama zetu wasiotaka mabadiliko. Sekta zote za umma lazima zijitahidi kutekeleza haya.

Ningependa kuwakumbusha kuwa kanuni za ubalozi haziniruhusu kuingilia masuala ya ndani ya nchi hii. Hata hivyo, nalazimike kushauri jambo moja. Nashauri ibuniwe Wizara ya Maendeleo ya Wenawake,

Vijana na Watoto. Wizare hii itakuwa na jukumu Ia kuondoa vikwazo dhidi ya wanyonge.

Kubuni wizara tu hakutasaidia. Wakereketwa washawishi mabadiliko katika sheria kuhusu wanawake na watoto hasa wajane na mayatima. **Wanaharakati** nao yapasa wahakikishe kuwa sheria hizo zinaheshimiwa. Shirika langu liko tayari kutoa msaada wa kifedha na kitaaluma kwa sababu hii.

Mambo haya yasikomee hapa. Mrudi mlikotoka na mbuni vikundi vya kutuatilia mapendekezo yaliyotolewa. Ni muhimu kusambaza mliyojifunza hapa ili mambo hayo yapenye kila nyumba.Asanteni.

(a) Tambua na kuthibitisha anayehutubia washika dau. (al.2)

……
……

(b) Eleza mielekeo hasi inayopeleka wanawake na wanaume hudunishwa. (al.4)

……
……
……
……
……

(c) Kwa kuzingatia swala ibuka la haki,orodhesha haki zozote tatu ambazo wanaume na watoto wananyimwa (al.3)

……
……
……
……

(d) “Vita vya panzi haviamuliwi kwa fimbo” (al.2)

Fafanua

……
……
……

(e) Taja mchango wa mwandishi wa hotuba hii katika kuirekebisha hali hii ya kudumisha wanawake na watoto. (al.2)

……
……
……

(f) Eleza maana ya

(i) Kukaidi amri

……
……

(ii) Moyo uliofumwa kwa chuma

……
……

**2. UFUPISHO**

Ujambazi wa kimataifa ni tatizo lililowasumbua walimwengu kwa muda mrefu sana. Serikali nyingi zimetumia mapesa mengi kwa miaka mingi sana zikijitahidi kupambana na janga hili. Hata hivyo, fanaka haijapatikana, wala haielekei kamwe kuwa itapatikana leo au karne nyingi baadaye.

Yumkini tatizo kubwa lililopo ni kuhusu jelezi Ia dhana ya "ujambazi" tena "Wa kimataifa". Hili ni tatizo mojawapo na yapo mengi sana. Tatizo la pili ni kiburi. Kuna wale watu binafsi na hasa viongozi wa nchi kubwakubwa na serikali zao zilizojiaminisha kuwa ujambazi ni balaa kweli, tena belua, lakini huo ni wa huko, wala hauwezi kuwagusa licha ya kuwashtua wao.

Kulingana na maoni ya watakaburi hao, ujambazi ni wa watu 'washenzi' wasiostaarabika, wapatikanao katika nchi zisizoendelea bado. Ujambazi pekee wanaouona unafaa kukabiliwa ni dhidi ya mbubujiko wa madawa ya kulevya uliosabäbishwa na vinyangarika kutoka nchi hizo maaluni za "ulimwengu wa tatu". Kulingana na wastaarabu wa nchi zilizoendelea, vinyangarika hivi ndivyo hasa adui mkubwa wa ustaarabu ulimwenguni na ni sharti vifagiliwe mbali bila huruma. Baada ya kusagwasagwa, ulimwengu mstaarabu utazidi kutononoka na ahadi ya mbingu hapa ardhini itakamilika.

Imani ya watu hawa ya kuwa ujambazi wa kimataifa, hata iwapo upo, hauwezi kuwashtua wala kuwatingisha wao ilikuwa kamili na timamu. Ilikuwa kamili na timamu hadi hapo mwezi Septemba tarehe 11 mwaka va 2001, ndege tatu za abiria zilipoelekezwa katika majumba mawili ya fahari, yenye urefu wa zaidi ya ghorofa mia moja na kuyatwangilia mbali. Mshtuko na kimako! Kimako kwa kuwa, kabla ya siku hiyo, Wamarekani hawangeweza kudhani kwamba ingewezekana taifa lolote au mtu yeyote kuthubutu kuishambulia nchi yao, taifa wasifa lililojihami barabara dhidi ya aina yoyote lie ya uchokozi kutoka pembe lo lote la dunia.

Hakuna ulimwenguni mzima, aliyeamini kuwa Marekani ingeweza kushambuliwa. Kwa ajili hiyo, mshtuko uliitingisha ardhi yote na huzuni ilitanda kote, kama kwamba sayari nzima imeshambuliwa, wala sio Marekani pekee.

Mintarafu hiyo, Marekani ilipolipiza kisasi kwa kuwaunguza waliokuwemo na wasiokuwemo kwa mabomu hatari huko Afghanistan, idadi kubwa ya watu duniani ilishangilia na kusherehekea. Kwa bahati mbaya, tafsiri ya shambulizi la minara-pacha ya Newyork na lile la Pentagon, uti wa uwezo wa kivita wa Marekani, ilizorota. Kuna wengi waliodhani huo ni mwanzo wa vita vya Waislamu dhidi ya Wakristo na kwa muda, Waislamu wote wakashukiwa kimakosa kuwa ni majambazi wa kimataifa.

**MASWALI**

(a) Bila kubadilisha maana,fupisha aya tatu za kwanza maneno (65-75) (alama 8; 2 za utiririko)

Matayarisho

……
……

…….

……
…….

Nakala safi

……
…….

……
……

……
…….

(b) Ukizingatia aya tatu za mwisho fafanua fikra za watu n amambo yote yaliyotokea baada ya Septemba 11 2001(Maneno 65-75) Alama 7:alama 1 ya utiririko)

Matayarisho

……
…….

……

Nakala safi

……
……

……

…….

……

3. **Matumizi ya lugha (alama 40)**

(a) Ainisha vielezi katika sentensi ifuatayo:

Mwanamke huyo alibebwa juu juu hadi kanisani. (al.2)

……
……

(b) Bainisha jinsi maneno yaliyopigiwa mstari yalivyotumika. (al.2)

(i) Kula kwake ni chanzo cha afya yake nzuri.

(ii) "Kula vizuri kama unataka kuwa na afya bora".Daktari alisema.

……
……

……
……

(c) Sauti /e/ na /u/ hutamkwa vipi? (al.2)

……
……

d) Eleza matumizi matatu ya italiki kisha tolea mifano kwa kila aina. (al 3)

……
……

……

e) Tunga sentensi ukitumia kitenzi kifuatacho katika kauli ya kutendeka - la (al-2)

……
……

……

f). Andika katika usemi wa taarifa (alama 3)
"Hicho kijicho cha paka cheupe leo marufuku kwangu" alisema Mzee Kambumbu
……
……

……

g) Tunga sentensi moja ukitumia kitenzi kimoja kilichoundwa kutokana na nomino **zawadi** (alama 2)
……
……

……

h). Tambua matumizi ya kiambishi **ji** katika sentensi ifuatayo (alama 2)
Jino la jitu hilo lililiwezesha kujilia chakula kingi kuliko mkimbiaji yule
……
……

……

i) Tunga sentensi moja kuonyesha maana ya neno: **sembuse.** (alama 2)
……
……

j) Andika sentensi moja ukitumia kihisishi cha bezo (alama 1)
……
……

K) Ainisha viambishi katika neno **waliibiana** (alama 2)
……
……
……

……

l) Nini maana ya kiimbo? (alama 1)
……
……

m) (i) Vokali ni nini? (alama 1)

……
……

(ii) Eleza sifa mbili za sauti ifuatayo **/i/ (**alama 2)

……
……

……
……

iv) Panda ni kuatika mbegu ardhini au kuparaga mti. Andika maana nyingine mbili (alama 2)

……
……

……

v) Andika katika wingi. (al 2)
Huzuni aliyokuwa nayo yatima huyu ilinitia kite na imani.

……
……

……

IV. Andika kinyume cha neno lililopigwa mstari. (al 1)
Mhalifu huyu <u>alitunga</u> mimba

……..
……..

vi) Bainisha matumizi ya **KI** katika sentensi ifautayo. (al 1)
Jua limekuwa likiwaka tangu Januari

……..
……..

vii) Bainisha maana mbalimbali za sentensi ifuatayo: (al 3)
Mwalimu amempigia wanafunzi simu

……..
……..
……..
……..
……..
……..

viii) Silabi mwambatano ni nini? (al 1)

……
……..

ix) Tunga sentensi moja udhihirishe maana mbili za neno hili: Rudi (al 1)

……..

……..

……

x) Pigia mstari vivumishi katika sentensi ifuatayo kisha uandike aina yake. (al 2)
Bibi huyu ni mpole uso wake wenye haya huuinamisha kila mara.

……..

……..

.

**ISIMU JAMII (Alama 10)**

xvi) Eleza nadharia tatu kuhusu chimbuko la Kiswahili. (alama10)

……

……

……

……

# SET 1 HOLIDAY ASSIGNMENT

## CHEMISTRY
## THEORY
## PAPER 1
## NAME: ……..CLASS: ……..ADM NO: …….SCHOOL:…….

i) Name another gas which is used with oxygen in welding [1 Mk]

ii) a. write the electronic configuration of calcium (atomic number 20) and magnesium (atomic number 12)
Calcium……
…….. [½ Mk]

Magnesium……
…….. [½ Mk]

b. Why is calcium more reactive than magnesium? [2 Mks]

……

…..……

……..……

……..……

……..……

……..……

……..……

iii) The table below shows the relative atomic masses and the percentage abundance of the isotopes $T_1$ and $T_2$ of element T

| | RAM | % abundance |
|---|---|---|
| $T_1$ | 62.93 | 69.09 |
| $T_2$ | 64.93 | 30.91 |

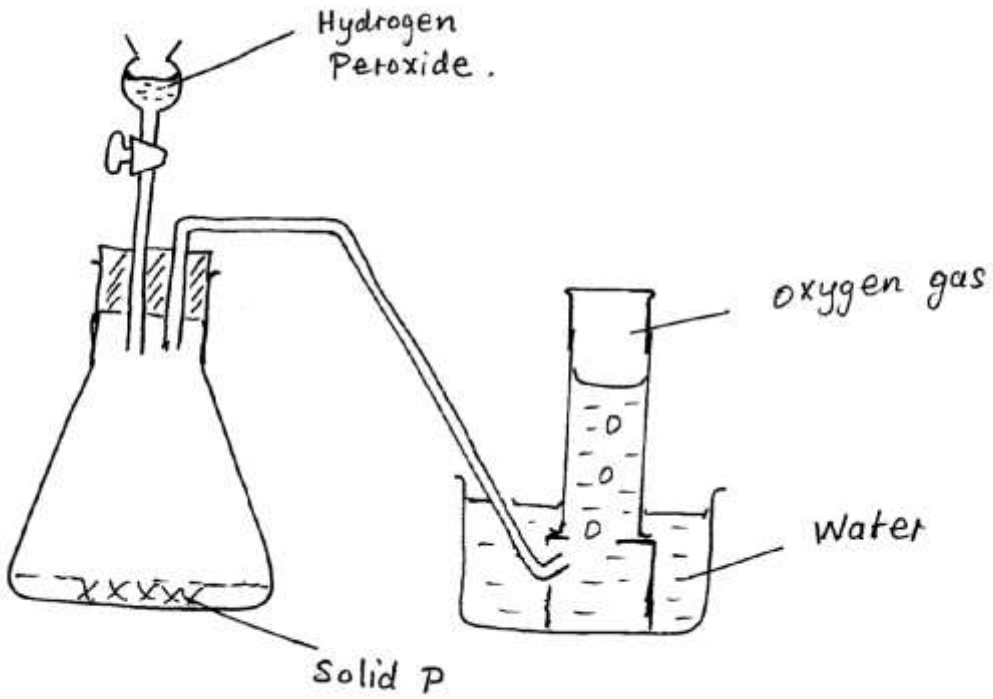
Calculate the relative atomic mass of element T [3 mks]

……

…..……

……..……

iv) The diagram below is a set-up for the laboratory preparation of oxygen gas.




a. Name solid P.
……..……
……[1 mk]

b. Write an equation for the reaction that takes place in the conical flask
……..……
……[1 mk]

c. Give two commercial uses of oxygen [2 mks]

i. ……..……
……

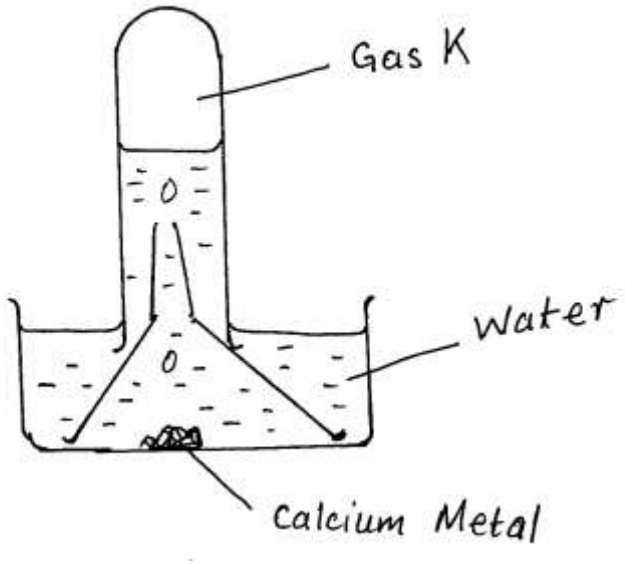
ii. ……..……
……

v) State two reasons why hydrogen is not commonly used as a fuel [2 mks]

i. ……..……
……

ii. ……..……
……

vi) The figure shows a set-up by a form three student to prepare a certain gas




a. Write an equation for the formation of gas K [1 mk]

……..……
……

b. Give one use of gas K in the industries [1 mk]

……..……
……

c. Give one use of the resulting solution after the metal has reacted [1 mk]

……..……
……

vii) Draw a dot and cross diagram showing the bonding in a molecule of calcium oxide. Name the type of bond. [3 mks]

viii) When 0.288g of an oxide of metal M was reduced using suitable reducing agent, 0.256 of pure metal was formed. Determine the empirical formula of the oxide of the metal M. [M=64 O=16] [4 mks]

……

…..……

……..……

ix) X+ is an ion with electronic configuration 2,8,8. Identify element X [1 mk]

……

……..……

x) 20g of solid sodium hydroxide were dissolved in distilled water and made to 400cm$^3$. 30 cm$^3$ of this solution required 27 cm$^3$ of dilute sulphuric (iv) acid for complete reaction. [Na=23 O=16 H=1]

Determine

i. Moles of sodium hydroxide contained in 30 cm$^3$ of solution [2 mks]

……

……..……

……..……

……..……

……

ii. Moles of sulphuric (iv) acid that reacted [2 mks]

……

…..……

……..……

……..……

……..

……

…..……Concentration of the sulphuric (iv) acid in moles per litre

[2 mks]

……

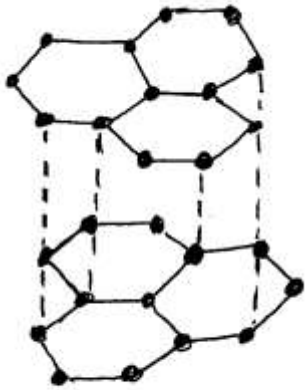
…..……

……..……

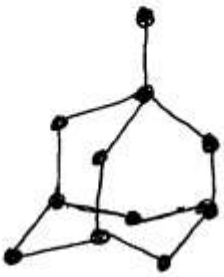
……..……

……..

xi) The diagram shows the structures of two allotropes of carbon. Study them and answer the questions that follow.



A



B

a. Name allotrope A and B [2 mks]

A……..

B……

b. Give two uses of allotrope B [2 mks]

i. ……

ii. ……

c. Which allotrope conducts electricity? Explain. [2 mks]

……

…..……..

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…..……

……...……

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……

xii) An oxide of element F has the formula $F_2O_5$

a. Determine the oxidation state of F. [1 mk]

……

……

b. In which group of the periodic table is element F? [1 mk]

……

……

xiii) Explain how you would obtain solid sodium carbonate from a mixture of lead II carbonate and sodium carbonate. [3 mks]

……

…..……..

……

…..……

……...……

……..……

……

xiv)Give two properties of aluminum that makes it very suitable for making cooking utensils [2 mks]

i. ……
……..……

ii. ……
……..……

xv) Write down an ionic equation for the reaction between dilute hydrochloric acid and calcium carbonate [3 mks]

……

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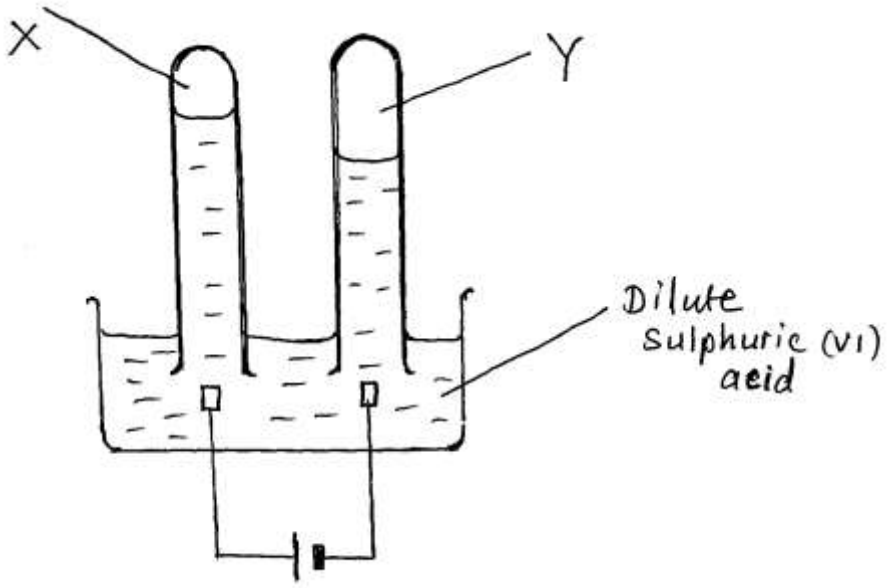
xvi)The diagram shows electric current passing through dilute sulphuric (iv)acid




a. On the diagram identify the cathode and the anode [2 mks]

b. Identify substances X and Y [2 mks]

X

……

……[1 mk]

Y

……

……[1 mk]

xvii) State and explain the change in mass that occur when following substances are separately heated in open crucibles [4 mks]

a. Copper metal……..……

……..

……

…..……

……..……

b. Copper II nitrate……..……

……..

……

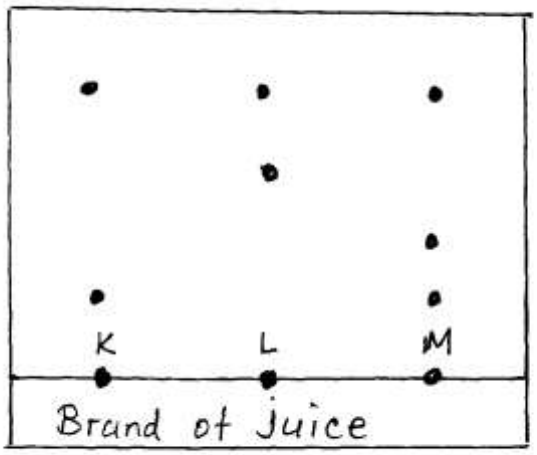
…..……

……..……

……..……

……..

xviii) The diagram below represents a paper chromatograph for three brands of juices suspected to contain banned food colourings



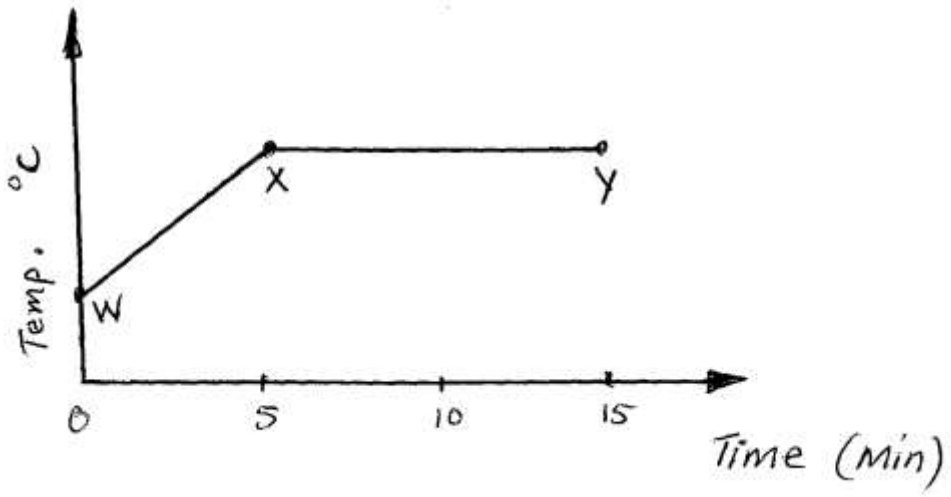

The result showed presence of banned food colourings in L and M only

a. On the diagram
   i. Circle the spots which show the banned colourings [2 mks]
   ii. Show the solvent front [1 mk]

b. On the same diagram indicate and label the baseline [1 mk]

xix)Determine the number of sodium ions contained in $25cm^3$ of 0.5M sodium carbonate solution [a=$6.023 \times 10^{23}$] [3 mks]

xx) The graph below shows a curve obtained when water at 20 was heated for 15 mins.




a. What happens to the water molecules between points W and X [1 mk]
……
……..
……..……
……

b. In which part of the curve does a change of state occur? [1 mk]
……
……..
……..……
……

c. Explain why the temperature does not rise between points X and Y [1 mk]
……
……..……
……..……

xxi)Write down the formula of the following compounds

i. Potassium manganate
vii……[1mk]

ii. Aluminium oxide
…….[1mk]

iii. Iron III chloride
…….[1mk]

xxii) Write balanced equations for the following reactions

a. Reaction between sodium and excess oxygen [1mk]

……
……..

……..……
……

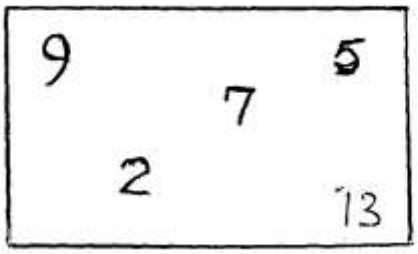
b. [1mk]

……
……..
……..……
……

xvii) Reaction between Zinc and hydrochloric acid [1mk]

……
……..
……..……
……

xxiii) The diagram shows PH values for several substances.




Choose the likely PH value for,

i. Dilute Hydrochloric acid……..[1mk]
ii. Calcium hydroxide……..[1mk]
iii. Sodium hydroxide ……..[1mk]
iv. Lemon juice……..[1mk]

xxiv) Briefly outline how you would obtain ethanol from a mixture of ethanol and water. [3mks]

……
……..
……..……
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……
……..

……..……
……

xxv) (a) What is rust? [1mkl]

……
……..
……..……
……
……
……..
……..……
……

(b) Give two advantages of rusting.

(i)
……
…….[1mk]

(ii)……
……[1mk]

# SET 1 HOLIDAY ASSIGNMENT

## CHEMISTRY P 2 FORM III
## TIME: 2 ½ HOURS:
## NAME:….. CLASS:……ADM NO:……SCHOOL: ……

**INSTRUCTIONS: Answer all questions in the space provided.**

Q 1. The diagram below represents part of the periodic table use it to answer the questions that follow.

a) Write the electronic management for the stable ion formed by W (1mk)

.....

b) Write the question for the reaction between V and Q ( 1 mk)

……
……

c) How do we ionization energies of the elements M and T compare. Explain
(2mks)

……
……
……

Q 2. 60 $cm^3$ of oxygen diffuses through a porous pot in 50 seconds. How long would it take 60 $cm^3$ of oxygen gas diffuses through a porous pot in 50sec.How long would it take 60$cm^3$ of Sulphur (iv) oxide to diffuse through the same pot under the same conditions? (4mks)

……
……
……
……
……
……
……

Q 3. Give 2 reasons why helium is used in weathers ballons (2mks)

i)……
……

ii)……
……

Q 4. State the types of change that take place in each of the following situations

a)Burning a piece of charcoal
……..(1mk)

b) Heating copper (ii) carbonate
strongly…….……(1mk)

c) Heating Zinc oxide strongly
……(1mk)

Q 5. In a experiment to determine the percentage of purity of a sample of sodium carbonate, 2.15g of the sample reached completely with $40cm^3$ of 0.5m sulphuric (iv) acid

i)Calculate the number of moles of Sodium Carbonate that reacted (2mks)

……
……
……
……
……
……

ii)Determine the percentage of Sodium Carbonate in the sample (Na=23,C=12,0=16 (3MK)

……
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……
……
……

iii) Name two industrial uses of Sodium Carbonate (2mks)

……

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……

Q 6 A certain mass of gas occupies 0.15dm$^3$ at 20c and 98,648.5pa, Calculate it volume at 101325pa and $0^0$c (3mks)

……

……

……

……

……

……..……..

Q 7 a) Explain why aluminum is a better conductor of electricity than Sodium (2mks)

……

……

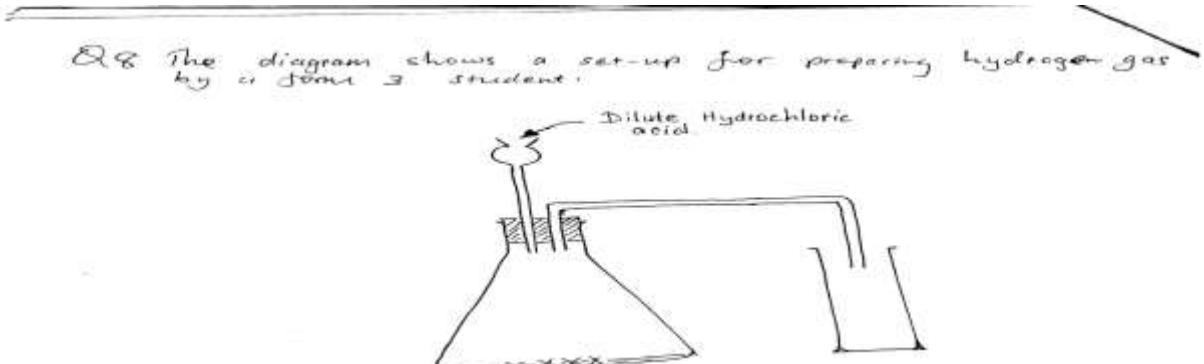
……

b) State one property of aluminum that makes it suitable for power transmission cables (1mk)

……

……

Q 8 The diagram below shows set-up for preparing hydrogen gas by a Form 3 Student .



a)Identify three mistakes with the set-up (3mks)

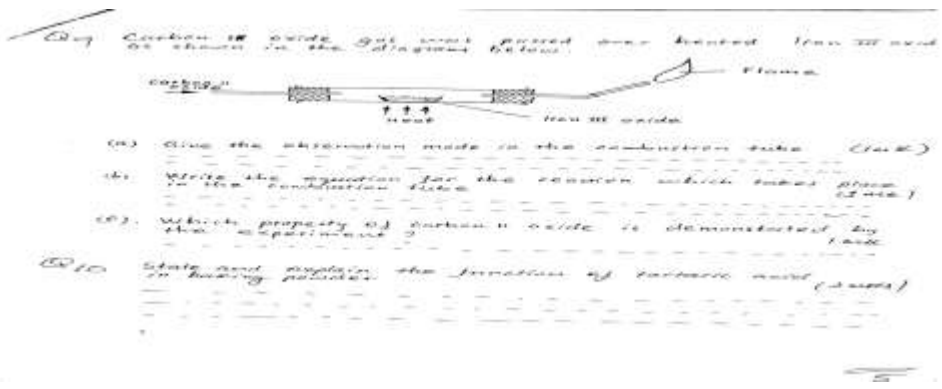
……
……
……
……
……
……

b) On the diagram make suitable modification to solve the mistakes in( a) above (3mks)

c) What is the test for hydrogen gas (1mk)

……
……

Q 9 Carbon Oxide gas was passed over heated iron III Oxide as shown in the diagram below



xviii) Give the observation made in the combustion tube (1mk)

……
……
…….....

b) Write the equations for the reaction which take place in the combustion tube (1mk)

……
……
……c) Which property of carbon II Oxide as demonstrated by the experiment (1mk)

……
……

Q 10. State and explain the function of tartaric acid in baking powder (2mks)

……
……
……
……
……

Q 11. a) State Boyle's Law (1mk)

……
……
……
……
……

b) 300$cm^3$ of a gas at 800mm Hg was compressed to 200mm Hg pressure at constant temperature. Determine the new volume (2mks)

……
……
……
……
……
……

Q 12. Explain why is not suitable to have a

xi) Jiko with burning charcoal in a closed room (2mks)

……
……
……
……
……
……

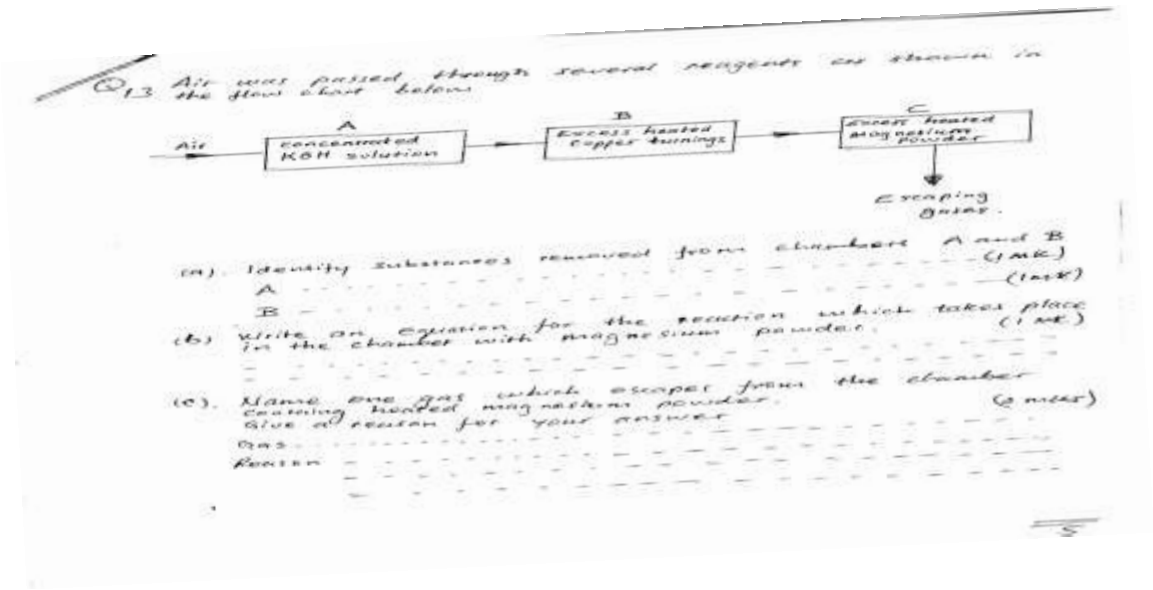
xix) Which gas is contained in tizzy drinks? 1mk)

……
……
……
……
……

xx) Write an equation for the reactions on the gas contained in dizzy drink and water (1mk)

……
……
……
……
……

Q 13. Air was passed through several reagents as shown in the flow chart below




(a) Identify substances removed from chamber A and B (1mk)
A
B
(1mk)

(b) Write an equation for the reaction which takes place in the chamber with magnesium powder. (1mk)

(c) Name one gas which escapes from the chamber containing heated magnesium powder. (2 mks)
Give a reason for your answer
Gas
Reason

a) Identify substances removed from chambers A and B then

A

…… (1mk)

B…… (1mk)

xii) Write an equation for the reaction which take place in the chamber with magnesium powder (1mk)

……

……

……

c)Name one gas which escapes from the chamber containing heated magnesium powder.

Give a reason for your answer (2mks)

Gas

……

Reason

……

……

……

……

Q 14. When potassium Nitrate is heated, it produces potassium Nitrate and gas X

ix) Identify gas X (1mk)

……

b) Name the type of reaction undergone by the potassium Nitrate (1mk)

……

Q 15. Write a balanced equation for the reaction between Magnesium and Steam (1mk)

……
……..……..……

Q 16. When Chlorine gas was bubbled through water the resulting solution act as a bleaching agent

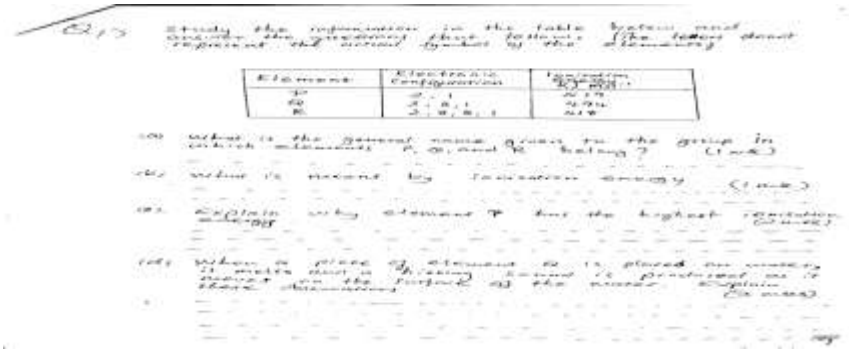
V. Explain how the resulting solution act as a bleaching agent (2mks)

……
……
……
……
……
……

VI. Using a neat diagram show how chlorine gas is collected in the laboratory (2mks)

……
……
……
……
……
……

Q 17. Study the information in the table below and answer the questions that follow: The letters do not represent the actual symbol of the element).



a) What is the general name given to the group in which element P, Q and R belong? (1mk)

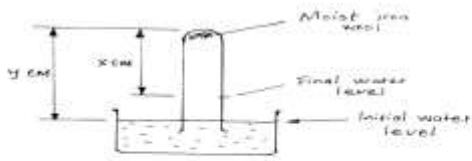
……
……

b) What is meant by ionisation energy
(1mk)

(e) Write an equation for the reaction between element Q and water (1 mk)

Q18 Some moist iron wool was placed in a test tube and the tube inverted and placed in a beaker containing water. The apparatus was left for one week. It was observed that the iron wool had rusted and the water level had risen. No further change took place when the set-up was left for more days even though not all the iron rusted.

c) Explain wh
(2mk)




(a) Explain whether rusting is a chemical or a physical change (2mks)

d)When a piece of element Q is placed on water it melts and a hissing sound is produced as it moves on the surface of the water .Explain this observation (3mks)

e) Write an equation for the reaction between elements Q and water
(1mk)

Q 18 Some moist iron wool was placed in a test tube and the tube inverted and placed in a beaker containing water. The apparatus was left for one week .It was observed that the iron wool had rusted and the water level had raisen.No further change took place when the set-up was left for more days even though not all the iron rusted.

4. Explain whether rusting is a chemical or a physical change (2mks)

……
……
……
……
……..

VII. Write an expression for an approximate percentage of air used up (1mk)

……
……
……

VIII. What would be the effect on the level of the water if a larger piece of iron wool was used (2mk)

……
……
……
……
……..

IX. State the similarities between rusting and combustion (2mks)

……
……..

Q 19 The table below gives the number of protons and neutrons in element G,H,I and J

xiii) Which atoms isotopes of the same element? (2mks)

……
……

xiii) Which atoms have the same mass number (2mks)

……
……..

X. Write formula of the compound formed between G and H (1mk)

……
……
……

Q 20 Give the valency of each of the elements (1mk)

or radical in the following chemical compounds. (3mks)

9. Ca(PO4)2
10. Mg3N2
11. NaOH

# SET 1 HOLIDAY ASSIGNMENT

## NAME: … ADM NO ……..…..... CLASS.....

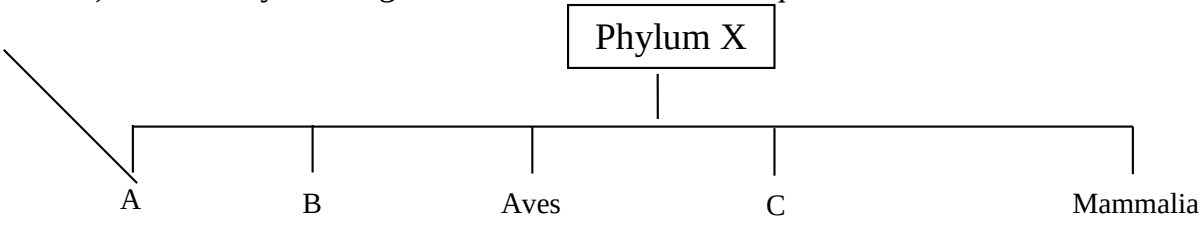
## 231/1

## BIOLOGY FORM THREE PP1

**INSTRUCTIONS TO CANDIDATES:**

*(j) Answer **ALL** the questions*
*(k) Answers should be written in the spaces provided*

xxi) Study the diagram below and answer the questions that follow.




4. What is the phylum X?
.....(1mk)

5. Name the classes A, B and C.

   (3mks)

   A.....

   .....

   B.....

   .....

   C.....

   .....

6. State **two** distinguishing characteristics of mammalian class.
   (2mks)

   .....

   .....

   .....

   .....

xxii) Name the field of science that specializes in the study of members that belong to the class insect.

.....

....(1mk)

xxiii) What are the functions of bile salts during the process of digestion?

(2mks)

.....

.....

.....

.....

xxiv) State the importance of each of the following to the life of organisms.

5. Respiration.....

(1mk)

6. Excretion.....(1mk)

xxv) What are the differences between blood in the pulmonary artery and that in the pulmonary vein?

..... (2mks)

.....

.....

.....

xxvi) Name **three** plant tissues that are involved in support.

(3mks)

.....

.....

.....

.....

.....

.....

xxvii) State the causative agent and method of transmission of cholera.

(2mks)

Causative agent.....

Mode of transmission .....

xxviii) Name the products of light stage in photosynthesis.

(3mks)

.....

.....

.....

.....

.....

xxix) What causes the following diseases?

a) Diabetes mellitus. .....(1mk)

b) Diabetes insipidus.....(1mk)

xxx) Name **two** benefits that a parasite derives from the host.

(2mks)

.....

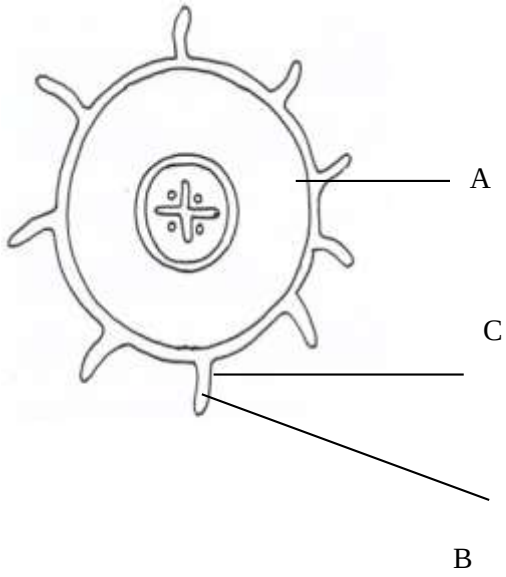
.....

.....

.....

.....

xxxi) The diagram below represents a cross section of a plant.




xiv) From which part of the plant was it obtained?

(1mk)

.....

.....

xv) Name the parts labeled A and B.

(2mks)

A.....

B.....

xvi) State the function of part C.

(1mk)

.....

.....

.....

xxxii) (a) What is the role of fungi in an ecosystem?

(1mk)

.....

.....

.....

(b) State four characteristics of fungi.

(4mks)

.....

.....

.....

.....

.....

.....

.....

xxxiii) State the function of the following parts of a light microscope.

(2mks)

d. Objective lens.....

e. Diaphragm.....

xxxiv) State **four** ways of controlling *schistomiasis*.
(4mks)

.....

.....

.....

.....

.....

.....

.....

xxxv) Distinguish between predation of and parasitism.
(4mks)

.....

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.....

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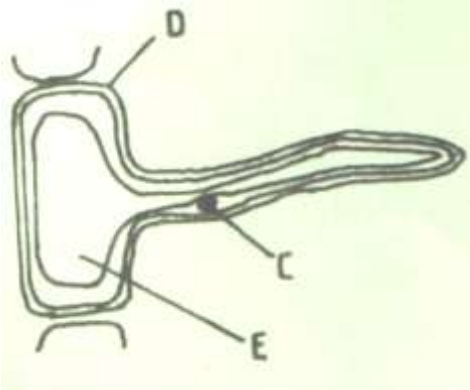
.....

.....

xxxvi) The diagram below shows a specified plant cell.




. Name the cell. .....(1mk)

. Name the parts labeled A, B, D and E. (4mks)

A.....

B.....

C.....

f. State the function of the part labeled C.

(1mk)

.....

xxxvii) State **three** factors that affect the rate of diffusion.

(3mks)

.....

.....

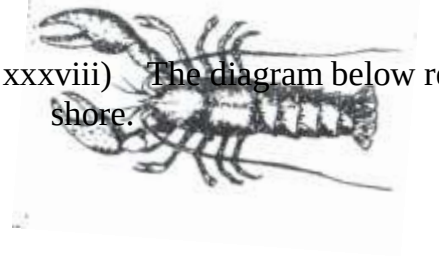
.....

.....

.....

.....

.....



xxxviii) The diagram below represents a certain organism collected by a student at the sea shore.

iv. Name the class to which the organism belongs.

(1mk)

.....

v. Give **three** reasons for your answer in (a) above.
(3mks)

.....

.....

.....

xxxix) (a) Name the causative agents of the following diseases in humans.

(2mks)

ii. Typhoid.....

iii. Amoebic dysentery.....

(b) Name the disease in human caused by *Plasmodium falciparum.*
(1mk)

.....

.....

.....

xl) The diagram below represents a certain plant.

**E**

1. What is the likely habitat for the plant? (1mk)

   .....

2. Give **two** reasons for your answer in (a) above. (2mks)

   .....

   .....

xli) Describe the **three** characteristics of a population.
(3mks)

.....

.....

.....

xlii) Other than using the quadrant, give two methods of estimating population of grass.
(2mks)

.....

.....

.....

.....

.....

xliii) Name **three** processes that are responsible for loss of energy from one trophic level to the next.

.....(3mks)

.....

.....

.....

xliv) State **two** ways in which aerenchyma tissues in aquactic plants are adapted to their function

..... (2mks)

.....

.....

.....

xlv) What is meant by the following terms?

x) Habitat:

(1mk)

.....

.....

.....

xi) Ecosystem.

(1mk)

.....

.....

.....

xii) Ecology.

(1mk)

.....

.....

.....

xlvi) *Ascaris lumbricoides* is an example of an endo-parasite.

xiv) The name Ascaris refers to: -.....

(1mk)

xv) State the habitat of the organism.....(1mk)

xvi) State **three** ways in which the organism is adapted to living in its habitat. (3mks)

.....

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xlvii) (a) Name the process through which free atmospheric nitrogen is converted into nitrates. (1mk)

.....

.....

(b) Name the bacteria found in the root nodules of leguminous plants. (1mk)

**Name: …… Adm no ……..…..... Class.....**

# BIOLOGY FORM THREE PP2

## TIME: 2 HOURS

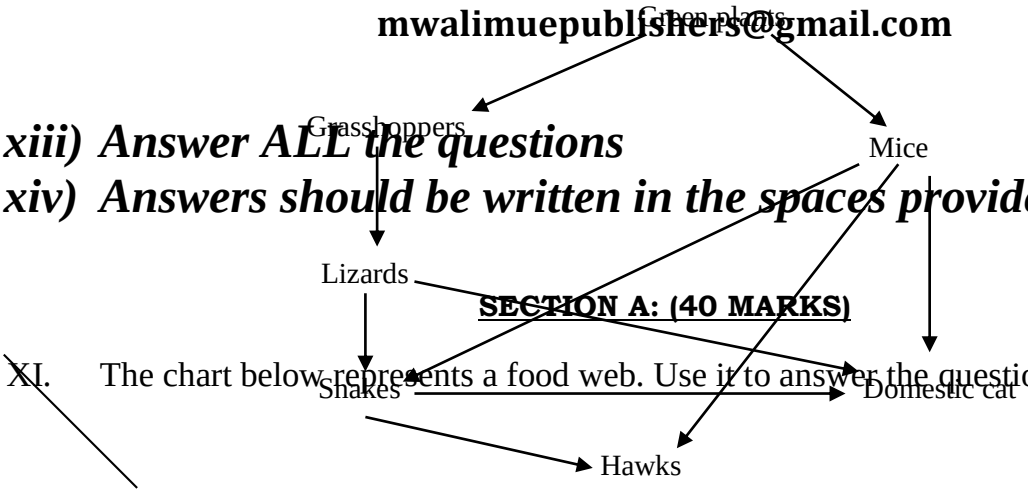
## INSTRUCTIONS TO CANDIDATES:

***xiii) Answer ALL the questions***

***xiv) Answers should be written in the spaces provided***

**SECTION A: (40 MARKS)**

XI. The chart below represents a food web. Use it to answer the questions that follow.




xvii) Construct two food chains ending with tertiary consumer in each case.
(2mks)

i.

ii.

xviii) Which organism has the largest variety of predators in the food web?
(1mk)

.....

.....

.....

xix) Name secondary consumers in the food web.
(1mk)

.....

.....

.....

xx) Suggest three ways in which the ecosystem would be affected if there was a prolonged drought.
(3mks)

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XII. To estimate the population size of crabs in a certain lagoon, traps were laid at random 400 crabs were caught, marked and released back into the lagoon. Four days later traps were laid again and 374 crabs were caught. Out of the 374 crabs, 80 were found to have been marked.

7. Calculate the population size of crabs in the lagoon.
(2mks)

8. State three assumptions that were made during the investigation.
(3mks)

.....

.....

9. What is the name given to this method of estimating the population size?
(1mk)

.....

.....

.....

10. Other than the method named above, state any other two methods that are used to estimate population size.

(2mks)

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XIII. (a) Classify the bean plant in to each of the following taxa.

(3mks)

Kingdom

.....

Division.....

.....

Class

.....

...

(b) Name the microscopic living threads that make up the body of a fungus.

(1mk)

.....

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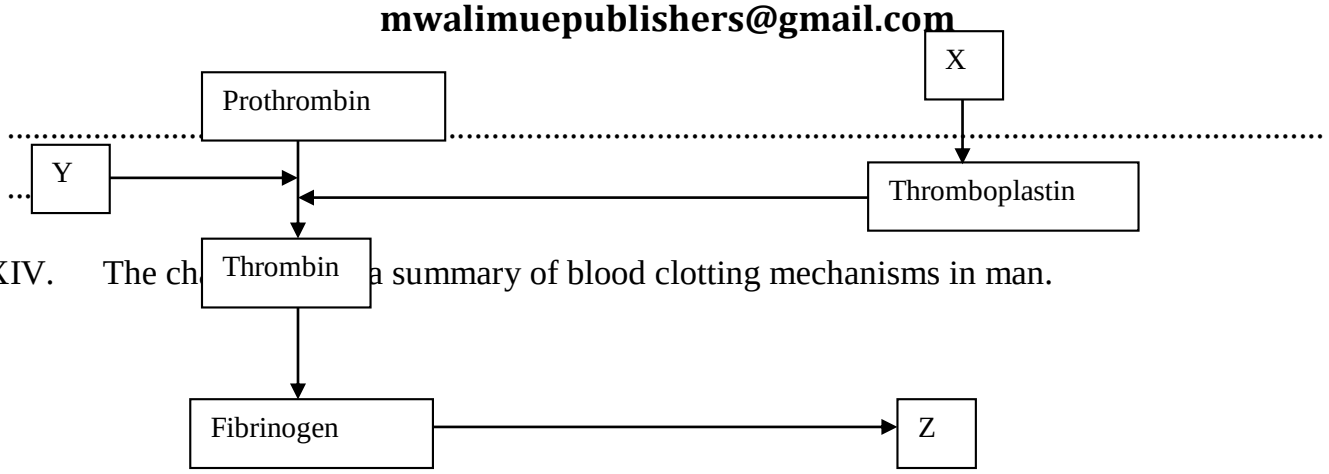
.....

c) State the structural differences between Gymnospermatophyta and Angiospermatophyta.

(4mks)




XIV. The ch a summary of blood clotting mechanisms in man.

xvii) Name

12. The blood cells represented by X.
.....(1mk)

13. Metal ion represented by Y.
.....(1mk)

xviii) Identify product Z and state its significance.

.....(2mks)

.....

.....

xix) Name the process by which the human body naturally stops bleeding.
(1mk)

.....

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.....

xx) How can low blood volume be brought back to normal?

(2mks)

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.....

xxi) Give a reason why blood doesn't clot in unwounded blood vessels.

(1mk)

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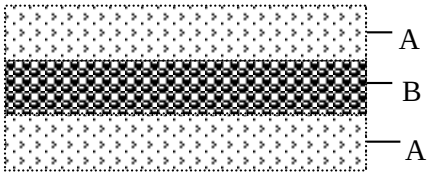
XV. The diagram below represents the general appearance of a section of the cell membrane under an electron microscope.




g. State the possible composition of layers A and B.

(2mks)

A.....

.....B.....

.....

h. What is the significance the structure A in the membrane?

(2mks)

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.....

.....

i. State **two** properties of the cell membrane that make it efficient in its functions. (2mks)

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j. Give **two** reasons why an electron microscope is useful in the study of the cell structure. (2mks)

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**Answer Question 6 (COMPULSORY) and either Question 7 or 8 in the spaces provided.**

XVI. The data provided represents populations of a predator and its prey over a fifty years periods.

| Time in years | Population in relative population of P (in thousands) | Numbers population of Q (in thousands) |
|---|---|---|
| 5<br>10<br>15<br>20 | 24.5<br>30<br>33.5<br>33.5 | 17<br>20.5<br>26<br>30 |

| | | |
|---|---|---|
| 25 | 31 | 33 |
| 30 | 27 | 32 |
| 35 | 25 | 30 |
| 40 | 29 | 27.5 |
| 45 | 32.5 | 28.0 |
| 50 | 34 | 28.5 |

xlviii) (i) Using the same axes, draw graphs of the relative populations of P and Q against time. (7mks)

(ii) With a reason identify the curve that represents the prey.
(2mks)

.....

.....

.....

.....

(iii) Accounts for the two populations between 25 and 32 years.
(2mks)

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(iv) Which years were the two populations equal.
(2mks)

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(v) Apart from predation, state three biotic factors that may have led to the decline of the prey population.
(2mks)

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xlix) Describe the hazards of air population by sulphur (IV) oxide.
(4mks)

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XVII. Explain how the mammalian heart is structurally adapted to its functions.
(20mks)

XVIII. (a) Give any two functions of leaves in plants.
(2mks)
(b) Explain how leaves of mesophytes are suited to their functions.
(18mks)

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# Name: ..... Adm no .....

# Class.....

**231/3**

**BIOLOGY FORM THREE PP3**

**INSTRUCTIONS TO CANDIDATES:**

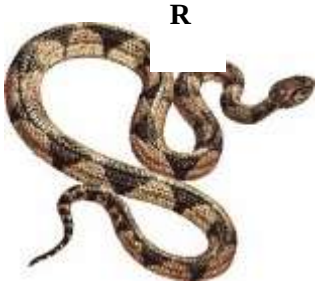
11. *Answer **ALL** the questions*
12. *Answers should be written in the spaces provided*

14.Below are diagrams P, Q, R and S. Examine them.

**P**

Q

**R**



**S**

l) Using observable features in the photographs, complete the dichotomous key given below.
(2mks)

1. a) Animals with

legs…….....……go to 2

b) Animals without

legs…….....snake

2. a) Animals with two body parts

…….....……..spider

b)

…….....……..go to 3

3. a)

……...…….....……..

locust

b) Animals without

wings…….....……Ant

li) In each case show steps followed to arrived at the identity.
(4mks)

| **Organism** | **Steps followed** | **Identity** |
|---|---|---|
| **P** | | Locust |
| **Q** | | Ant |
| **R** | | Snake |
| **S** | | Spider |

lii) Name the main characteristics used to classify members of the phylum Arthropoda.
(3mks)

.....

.....

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.....

liii) State **five** economic importance of insect.
(5mks)

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....

liv) Using observable features only show how specimen P adapted for locomotion.
(2mks)

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15. You are provided with a specimen Q.
    Obtain two equal cubes about 1cm in length from specimen Q. Crush one of the cubes and place it in test tube labeled B. Place the other cube as a whole in test tube labeled A. In to each of the test tubes add $10cm^3$ of hydrogen peroxide.

XIX. State the observations made in test tube B.

(1mk)

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.....

XX. Explain the results in a (i) above.

(1mk)

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| **Food substance** | **Procedure** | **Observations** | **Conclusions** |
|---|---|---|---|
| | | | |

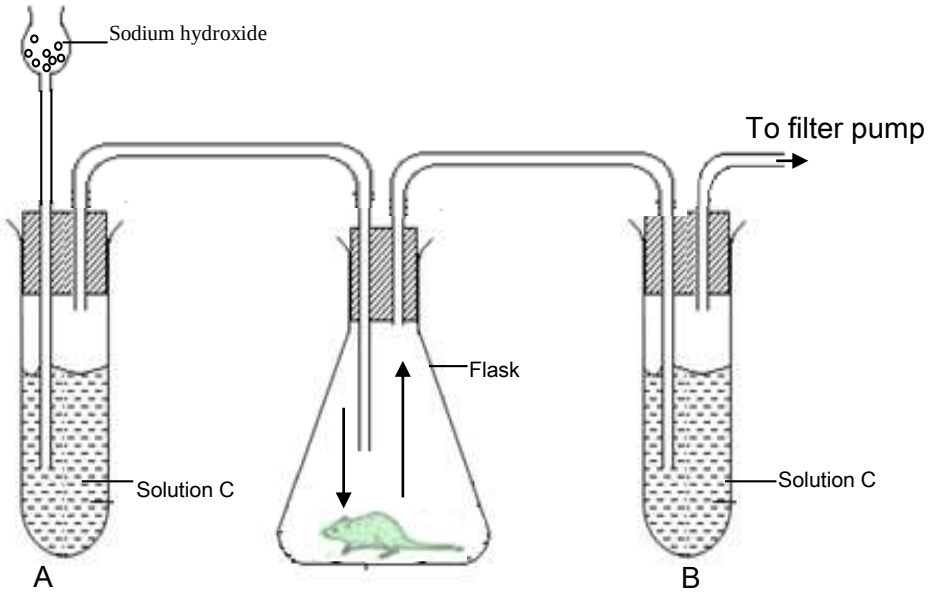
| | | | |
|---|---|---|---|
| | | | |
| | | | |

XXI. Write an equation for the breakdown of hydrogen peroxide.

(1mk)

XXII. Peel the remaining half of specimen Q and crush it in a motar. Using the reagents provided test for the various food substances in the extract obtained from crushed material. Record the procedures, observations and conclusions in the table below.

16. The following set-up was used by students to demonstrate a certain process.




xv) Identify the process being investigated.
(1mk)

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.....

.....

xvi) Name solution C

(1mk)

.....

.....

.....

xvii) State the observations expected at the end of the experiment in:-

Tube

A.....(1mk)

Tube

B.....(1mk)

xviii) Account for the observations made in:-

(2mks)

Tube

A.....

..

.....

.....

Tube

B.....(2mk

s)

.....

.....

xix) If the animal was replaced by a potted plant.

xxii) What modification would you make in the set-up above?
(2mks)

.....

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.....

.....

xxiii) Give a reason for your answer in d (i) above.
(2mks)

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# SET 1 HOLIDAY ASSIGNMENT

## PAPER ONE

## NAME……..…ADM

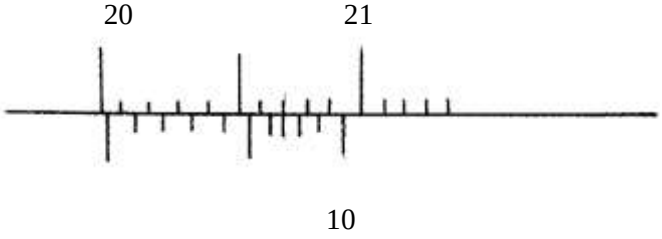
## NO……..CLASS..……..

**SIGNATURE…..……DATE……**

### SECTION A

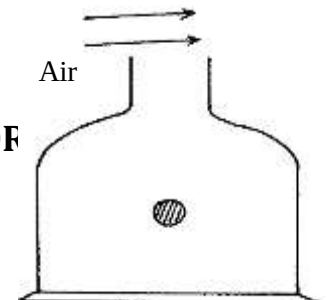
***Answer all question***

1. The figure below shows a diagram of part of a vernier caliper that has zero error of -0.02cm. Determine the length of the object using vernier caliper (2mks)




2. A block measuring 20cm x 10cm x 5cm rests on a flat surface. The block has a weight of 3N. Determine the maximum pressure it exerts on the surface (3mks)

3. The figure below shows a light body floating in a container



Air

State and explain the observation when a stream of air is blown over the month of the container as shown
(2mks)

……

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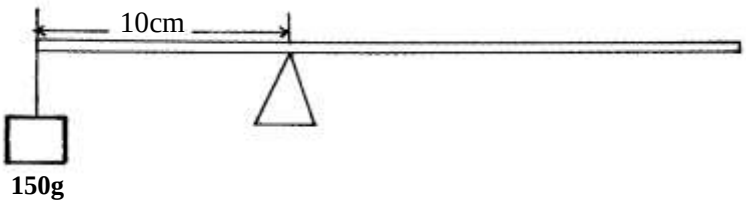
4. A uniform half-metre rule pivoted at the 10cm mark, balances when a mass of 150g is suspended at the 0cm mark as shown below. Determine the mass of the half-metre role. (2mks)




5. A person of mass 60kg stands on a spring weighing machine inside a lift. The lift is accelerated upwards at $3m/s^2$, calculate the reading of the weighing machine (3mks)

6. A motorcycle accelerates from 8m/s to 20m/s in 10seconds. What distance does it cover in this time
(3mks)

7. Explain why a hole in a ship near the bottom is more dangerous than one nearer the surface (2mks)

……

……

……

8. X$cm^3$ of substance A which has density of 800$kg/m^3$ is mixed with 100$cm^3$ of water with a density of 1000$kg/m^3$. The density of the mixture is 960$kg/m^3$. Determine the value of X (3mks)

9. Explain in terms of the arrangement of particles the kinetic theory of matter. (3mks).

10. A hippo of mass 500kg is able to walk on a muddy river bank while a car of mass 220kg is not able. Explain (2mks)

……

……

…

**SECTION B: (55MARKS) ANSWER ALL QUESTIONS**

11. (a) The table below shows values of pressure P in fresh water at different depth

| | | | | | |
|---|---|---|---|---|---|
| **Pressure P(Kpg)** | 110 | 140 | 180 | 200 | 220 |
| **Depth h(cm** | 1.0 | 4.0 | 8.0 | 10.0 | 12.0 |

(i) On the gird provided, plot a graph of pressure against depths. (5mks)

(ii) Given that the equation $P=P_o+\rho gh$, determine from the graph (I) the value of $P_o$ (1mk)

(iii) The density of fresh water

(4mks)

(b) The mass of density bottle is 20.0g when empty. 70g when full of water and 55g when full of a second liquid. Calculate the density of the liquid

(take density of water to be $1000kgm^{-3}$)

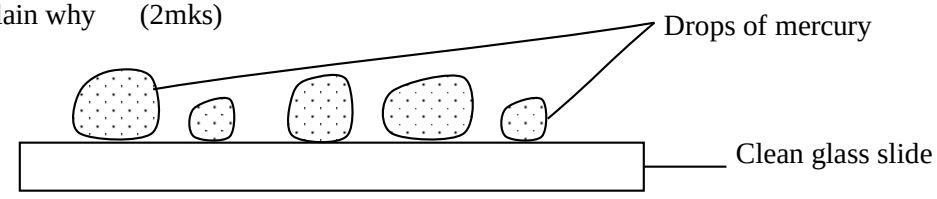
(4mks)

12. a) Explain why it is easier to ride a bicycle round a bend on a road if the surface is dry than when it is wet (2mks)

. b) Give **one** difference between limiting and dynamic forces of friction (2mks)

. c.) Mercury on a clean glass slide collects into small spherical balls as shown in figure below.

Explain why (2mks)




d.) State Pascal's principle of transmission of pressure (2mks)

e.). A helical spring extends by 1 cm when a force of 1.5N is applied to it. Find the spring constant. (2mks)

17(a) State Hooke's law (1mark)

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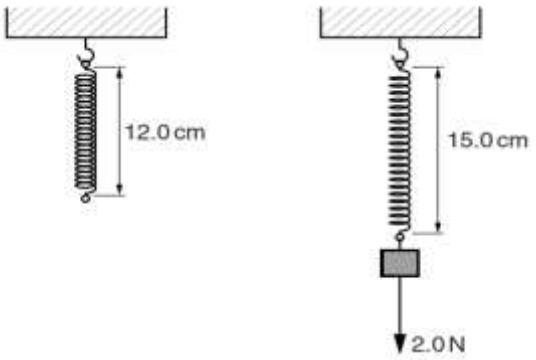
……

(b) A student hangs a spring vertically from a hook, as shown in Figure below.



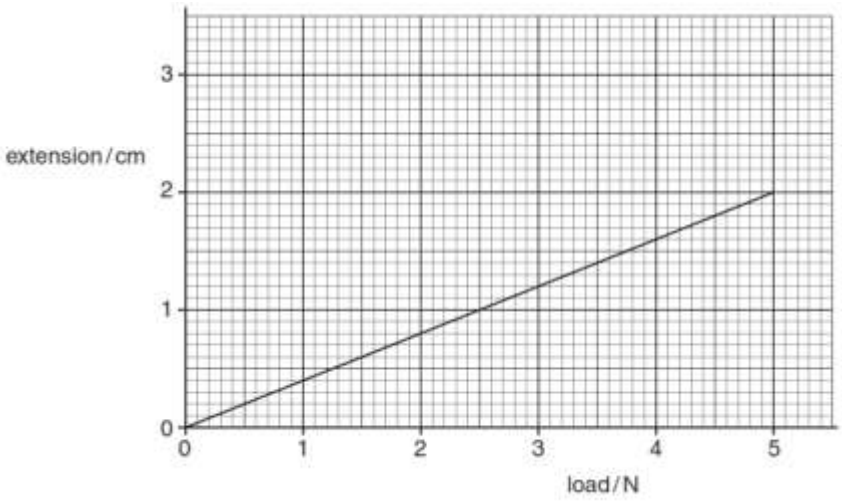

With no load, the spring is 12.0 cm long. With a load of 2.0 N on the end of the spring, its length is 15.0 cm. Calculate the extension of the spring. (2 marks)

……

……

……

(c) When the graph of extension against load is drawn for the spring, the result is the line shown below.




The unstretched length of the spring is 9.0 cm.

(i) Calculate the total length of the spring when a 5.0 N load is hanging from the spring.

(2 marks)

……
……
……

(ii) Calculate the energy stored in the spring when it stretches through 2cm (2 marks)

……
……
……

(iii) Calculate the spring constant from the graph (3 marks)

……
……
……

18 (a)The car of mass 500kg is travelling on a level road as shown below.


(i) Calculate the magnitude of the resultant force on the car. (2mks)

……

……

……

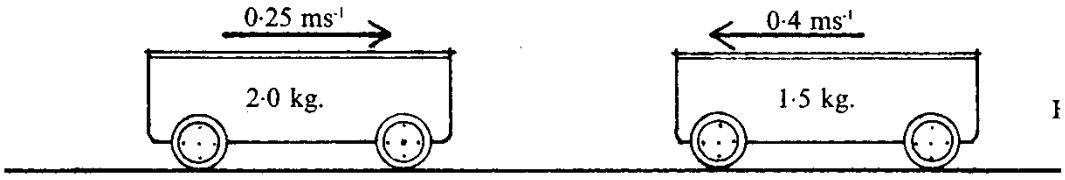
(ii) Calculate the acceleration of the car. (2 marks)

……

……

……

(b) The figure shows two trolleys of masses 2.0kg and 1.5kg traveling towards each other at 0.25m/s and 0.4m/s.The trolleys combine on collision




(i) Calculate the velocity of the combined trolleys. (4 marks)

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……

……

(ii) In what direction do the trolleys move after collision (1mark)

……

……

……

19. (a) What is diffusion? (1 mark)

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(b) A smoke cell contains a mixture of trapped air and smoke. The cell is brightly lit and viewed through a microscope. State and explain what is observed. (3 marks)

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(c) A beaker is filled completely with water. A spoon full of common salt is added slowly. The salt dissolves and the water does not overflow.

(i) Why is salt added slowly? (2 mark)

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(ii) Why doesn't the water overflow? (2 mark)

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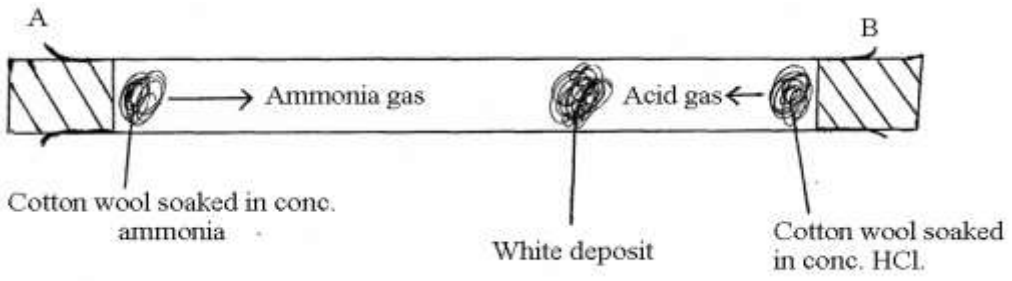
(d) In the figure below, ammonia gas and an acid gas diffuse and react to form a white deposit on the walls of a long glass tube as shown.



(i) What conclusion can be made from the result of this experiment? (2mark)

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(ii) How does the size and mass of a gas affect its rate of diffusion? (2 marks)

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(iii) The experiment is performed at a lower temperature. Explain how the time taken to form the white deposit would be affected. (2 marks)

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# SET 1 HOLIDAY ASSIGNMENT

## PHYSICS PAPER TWO FORM THREE

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# NAME……..…ADM NO……..CLASS..……....

# SIGNATURE…….……DATE……

# ……

**SECTION A: (25 MARKS)**

*Answer **ALL** questions this section in the spaces provided.*

1. State the laws of refraction (3 mks)

2. a) Define local action (1mk)

b) A charge of 4.8C flows through a lamp every second. Calculate the number of electrons involved per second.
(3mks)

c) Give two differences between a primary and a secondary cell (4mks)

3. The figure below shows two mirrors $M_1$ and $M_2$ placed at angle of 80°. A ray of light incident to
the mirror makes an angle of 45° with mirror $M_1$. Find the angle the ray turns after reflection in the two mirrors.
(3mks)

4. A hockey player trains on a nylon fiber surface. As he runs around, his shoes rub against the surface and he becomes positively charged.

   (i) Explain in terms of particles involved, how he becomes positively charged.
   (1mk)

   _____
   _____

   _____
   _____

   _____
   _____

   (ii) State what happens to the nylon-fiber surface as it becomes positively charged.
   (1mk)

   _____
   _____

   _____
   _____

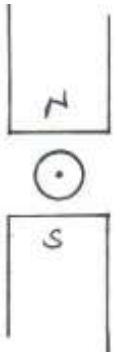
   _____
   _____

5. State **two** defects of a simple cell.
   (2mks)

   _____
   _____

   _____
   _____

6. The diagram in figure 3 below shows a current carrying conductor placed in a magnetic field.




(i) Sketch the resulting magnetic field pattern.
(1mk)

(ii) On the diagram show direction of force.

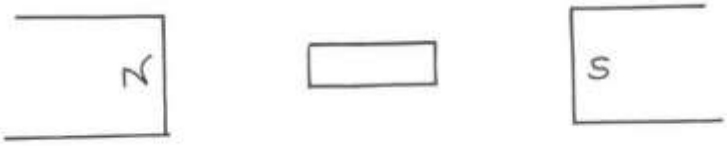
7. What is dispersion of light?
(1mk)

_____
_____

_____
_____

_____
_____

8. The figure below show a cubic rubber placed between two poles of a magnet.
(1mk)




Complete the diagram to show the magnetic field pattern between the poles of the magnet.
(1mk)

9. The diagram in figure **7 below** shows one method of making a magnet.



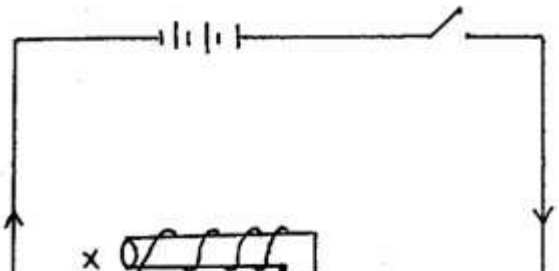


Fig.7

What polarity is at **X** and **Y** when the switch is closed.

**X** = _____ (1 mark)

**Y** = _____ (1 mark)

# SECTION 11 (55 MKS)

1yf3. A parent comes to you seeking your advice whether to use a white shawl or a black one to wrap her child to kept it warm. Which shawl would you advice to use and why? (2 marks)

_____
_____

_____
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_____
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_____

14. Complete the figure **10 below** to show the position of the image of object A in the mirror M. (2 marks)

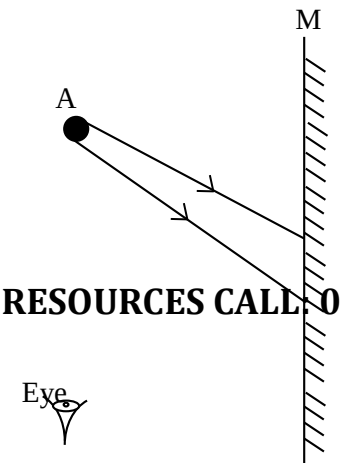
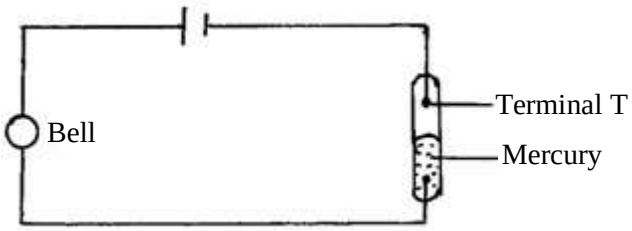



Fig.10

15. Figure **11** shows a fire alarm circuit.

Fig.11




Explain how the fire alarm functions. (3 marks)

_____

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16. A highly negatively charged rod is gradually brought close to the cap of a positively charged electroscope. It is observed that the leaf collapses initially and then diverges. Explain the observation.

_____

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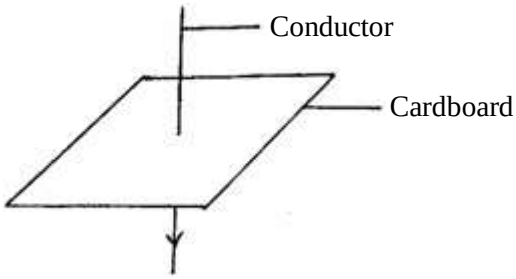
(3 marks)

17. In figure 12 the arrow indicates the direction of the current in the conductor. Sketch on the diagram the magnetic field pattern due to the current.
(1 marks)

Fig.12




18. (i) In estimating the height of a tree, the following measurements were recorded:
Height of the rod = 180cm.

Length of the shadow of the rod = 116cm
Length of the shadow of the tree = 420cm
Calculate the height of the tree. (3 marks)

(ii) State **three** methods of making magnets. (3 marks)

.

20. 17. (a) Define an echo.
(1mk)

_____

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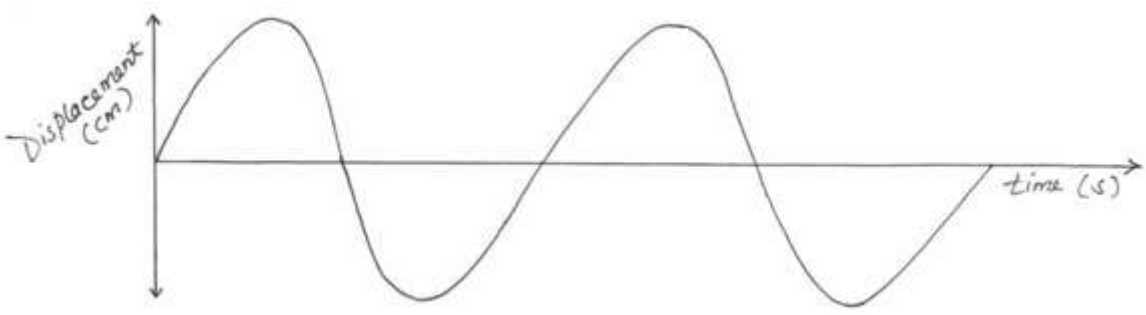
_____

k. The figure below shows the displacement time graph of a wave.

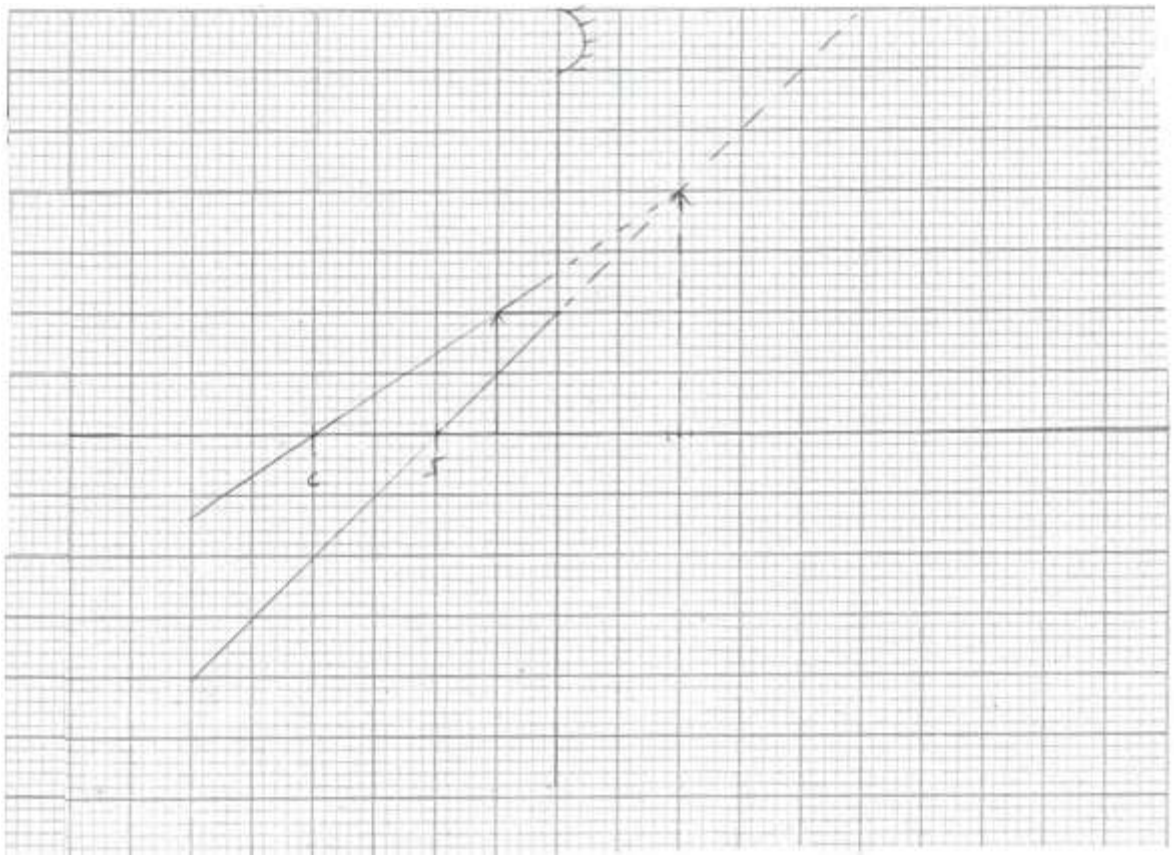



Sketch on the same axes a wave of twice the frequency and half the amplitude of the above
waveform.
(2mks)

l. A hunter standing between two parallel cliffs hears a lion roar some distance away from him with the same valley. He observes the first echo after 1.5 seconds followed by the second
echo after 2.8 seconds. If the hunter stands at equidistance from the first cliff, determine
how far the lion is from the hunter. (Take speed of sound in air to be 332m/s). (3mks)



18. The figure below shows an object placed in front of a concave mirror of focal length 10cm. C is the centre of curvature.




lv) On the same figure draw a ray diagram showing the location of the image.
(3mks)

Use the ray diagram drawn in (a) above to determine the
(1mk)

a. image distance.

_____

b. magnification.
(3mk)

_____

_____

_____

lvi) A vertical object is placed 20cm in front of a concave lens of focal length 5cm. Determine

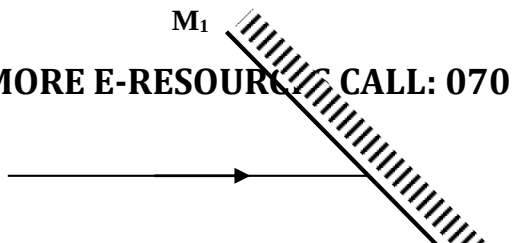
a. the image distance.
(3mks)



b. the magnification
(2mks)

21. a) State the laws of reflection
(2mks)

b.) Two plane mirrors $\mathbf{M_1}$ and $\mathbf{M_2}$ and inclined toe ach other and a ray of light shone on $\mathbf{M_1}$ as shown:



Show on the diagram the path followed by the ray until it is reflected by $\mathbf{M_2}$ (2mks)

c.) Define the following terms as used in refraction (4mks)

i. Absolute refractive index

ii. Total internal reflection

iii. Critical angle

iv. Refraction

d.) i. Given that bthe refractive index of diamond is 2.42 and the velocity iof light in air 3.0 X $10^8$ m/s,calculate the velocity of light in diamond. (3mks)

ii. A glass block of thickness 12 cm is placed on a mark placed on a plain paper. The mark is viewed normally through the glass. Calculate the apparent depth of the mark and hence the vertical displacement. (refractive index of glass is 1.5) (3mks.)

iii.State Snell's law of reafraction. (2mks)

17. a) Define magnification (1mk)

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b) State two differences between a concave and a convex reflectors (2mks)

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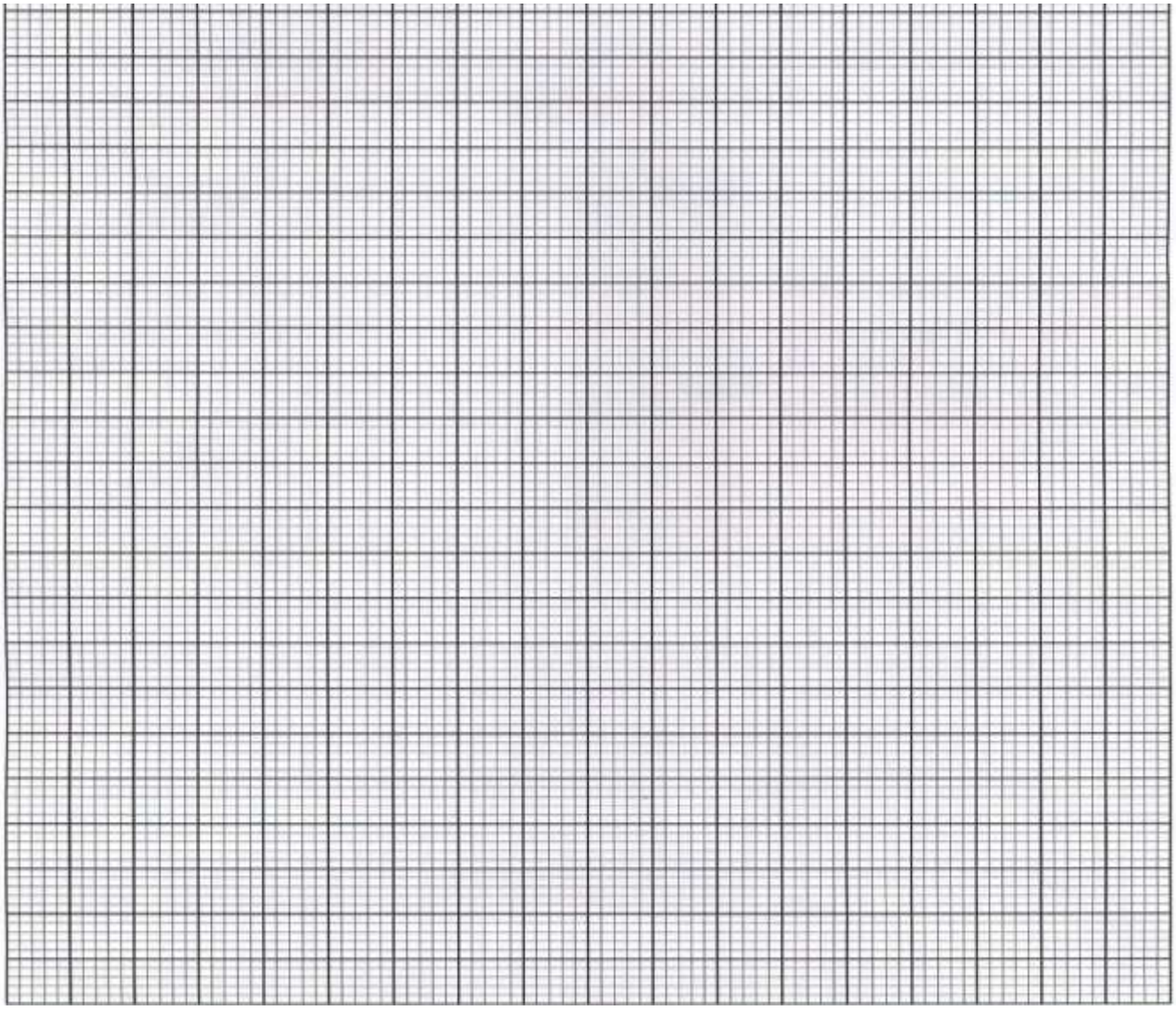
c) a concave mirror of focal length 20 cm forms a real image three times the size of the object. If the object height is 4cm; determine, using graphical method, the:

( i)object distance

(3mks)

(ii) The image distance (1mk)



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# SET 1 HOLIDAY ASSIGNMENT

**NAME……ADM**
**NO……..CLASS..……....**
**SIGNATURE…..…….……DATE……**

**232/3**

**PHYSICS**

**PAPER 3**

**PRACTICAL**

**TIME: 2 ¼ HOURS**

**INSTRUCTIONS TO CANDIDATES**

) Write **your name** and **index number** in the spaces provided
i) Answer **ALL** the questions in the spaces provided in the question paper.
ii) You are supposed to spend the first 15 minutes of the 2 $^{1}/_{4}$ hours allowed for this paper reading the whole paper carefully before commencing your work.
iii) Marks are given for clear record of observations made, their suitability, accuracy and the use made of them.
iv) Candidates are advised to record their observations as soon as they are made.
v) **Non-programmable** silent electronic calculators and KNEC mathematical table may be used.
vi) This paper consists of 7 printed pages. Candidates should check to ensure that all pages are printed as indicated and no questions are missing

**FOR EXAMINER'S USE ONLY**

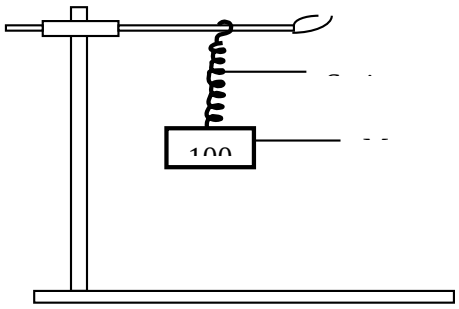
| QUESTION | MAXIMUM SCORE | CANDIDATES SCORE |
|---|---|---|
| lvii) | 20 | |
| lviii) | 20 | |
| TOTAL | 40 | |

**PART A**

1. You are provided with the following:
   - A retort stand, clamp and boss.
   - A spiral spring.
   - A stop watch.
   - Three 100g masses.
   - Three 50g masses.

   **PROCEDURE**

   a) Suspend a 100g mass at the end of a spiral spring as shown below.




   b) Now give the mass a small vertical displacement and release so that it performs vertical oscillation.
   c) Time for 20 oscillations and determine the period.
      Enter the result in the table below.
   d) Repeat the experiment for other values of mass given and complete the table.

| Mass m(g) | 100 | 150 | 200 | 250 | 300 | 350 |
|---|---|---|---|---|---|---|
| Time for 20 oscillations t (s) | | | | | | |
| Period time T (s) | | | | | | |
| $T^2$ ($S^2$) | | | | | | |

6marks

e) Plot a graph of $T^2$ ($S^2$) (y –axis) against m (kg).
(5marks)

f) Determine the slope of the graph.
(2marks)

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g) Given that $T^2 = \pi^2 m$ where k is the spring constant , use the graph to obtain the value of the spring constant k. k (2marks)

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**PART B**

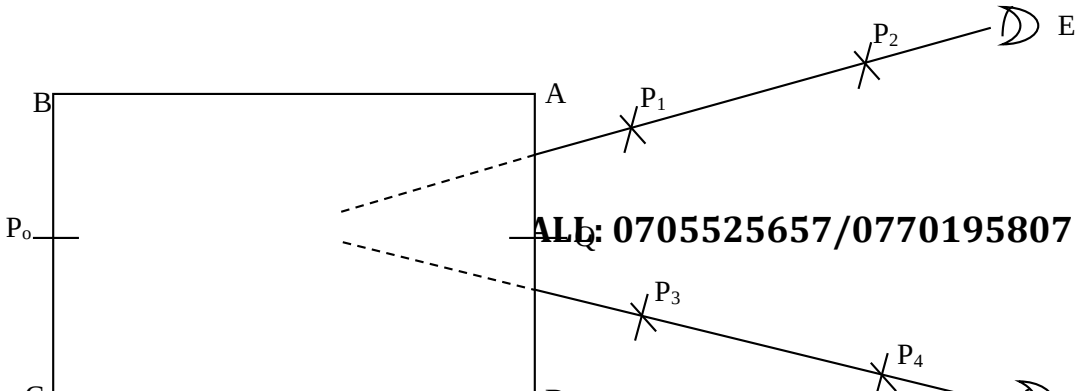
You are provided with the following

- 5 optical pins
- A rectangular glass block
- A plain paper
- A soft board
- 4 thumb pins

**Proceed as follows**

h) Fix the white piece of paper on the soft board using thumb pins. Place the glass block on the white paper and
draw the outline of the block.

i) Remove the glass block and indicate the sides A, B, C and D as shown.



j) On side BC, determine its center and fix a pin $P_0$ as shown. Looking from one side at the opposite end of the slab, fix pin $P_1$ and then pin $P_2$ so that they are in line with the image I of the pin $P_0$ .On the other side locate the same image using pins $P_3$ and $P_4$ as shown above.

k) Remove the glass block and the pins and produce lines $P_1P_2$ and $P_3P_4$ to their points of intersection; (the position of the image I)
(1mark)

l) Determine the midpoint of AD and label it Q. Measure the lengths $QP_0$ and Q1.
(2marks)

$QP_0$ =.....cm

Q1 =.....cm

m) Work out the ratio $= \frac{QP_O}{Q1} = n$
(1mark)

……

……

……

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……

n) What does n represent
(1mark)

……

……

……

……

**QUESTION 2**

***You are provided with the following;-***

xx) two retort stands

xxi)a metre rule

xxii) some cotton thread (approximately 1.2m long)

xxiii) a ball of plasticine

xxiv) a stop watch

xxv) a protractor

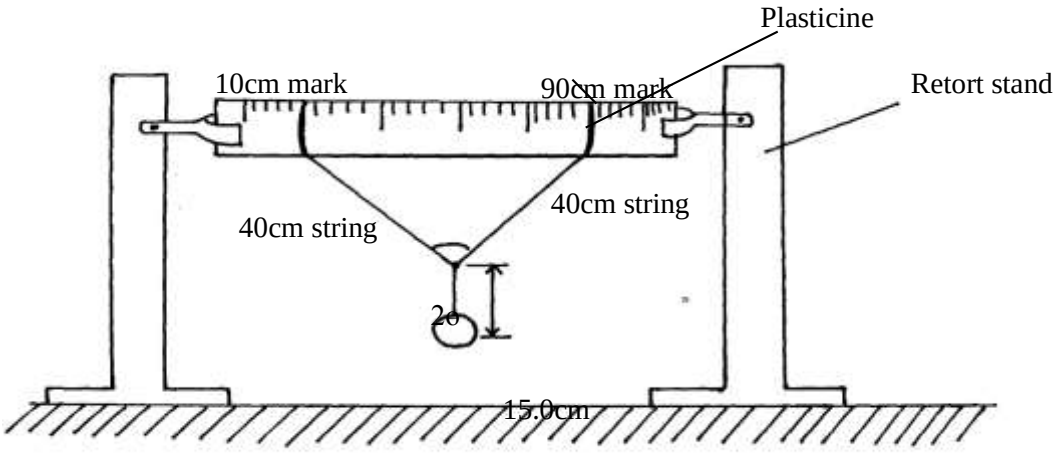
xxvi) half metre rule

***Proceed as follows:***

xxi)(i) Attach one end of a string to the metre rule at 10cm by fastening a loop of string tightly round the metre rule. Fix the string at this point with a small piece of plasticine. Tie the other end of the string around the metre rule at the 90cm mark. Fix this loop with another small piece of plasticine.

ii) Attach the pendulum bob to the centre of the string so that the centre of gravity of the bob is

15.0cm below the point of suspension (see figure below)




marks: refix the pasticine

measure the angle 2Θ and period T, as before.

(iv) Repeat (ii) above with the loops at 15cm and 85cm, 20cm and 80cm, 25cm and 75cm , 30cm and 70cm, 35cm and 65cm

(v) Enter all your results in the table below: (7mks)

| Position of loop | 2ɵ | Cos ɵ | Time , t for 10 oscillations | Period, T (sec) | $T^2(S^2)$ |
|---|---|---|---|---|---|
| 10cm and 90cm | | | | | |
| 12cm and 88cm | | | | | |
| 15cm and 85cm | | | | | |
| 20cm and 80cm | | | | | |
| 25cm and 75cm | | | | | |
| 30cm and 70cm | | | | | |
| 35 cm and 65cm | | | | | |

(c) (i) On the grid provided plot a graph of $T^2$ (y-axis) against CosΘ (5mks)

(ii) Find the intercept on the $T^2$-axis (1mk)

(iii) Determine the slope of your graph
(2mks)

(i) Measure the angle $2\Theta$

…….

(ii) Pull the pendulum towards you through a small distance, releases it and measure the period,

**T** for motion by timing 10complete oscillations

(iii) Remove the pasticine slide the loops to the 12cm and 88cm

(d) (i) Measure the length, **L**, of the pendulum when $2\Theta = 0^o$ in metres (1mk)

…….

(ii) From your graph, determine the period **T** of the pendulum when $2\Theta = 0^o$ (2mks)

(iii) Using the formula $T = 2\pi\sqrt{l/g}$ determine the value of 'g' given that T= 2.0 (2mks)

# SET 1 HOLIDAY ASSIGNMENT

## Name……..Class;……..Adm No:…….

## END OF TERM EXAM

## GEOGRAPHY – FORM THREE

## PAPER 1

**INSTRUCTIONS**.

4. This paper has two sections A and B
5. Answer all the questions in section A.
6. Answer questions 6 and any other two questions from section B.

**SECTION A**

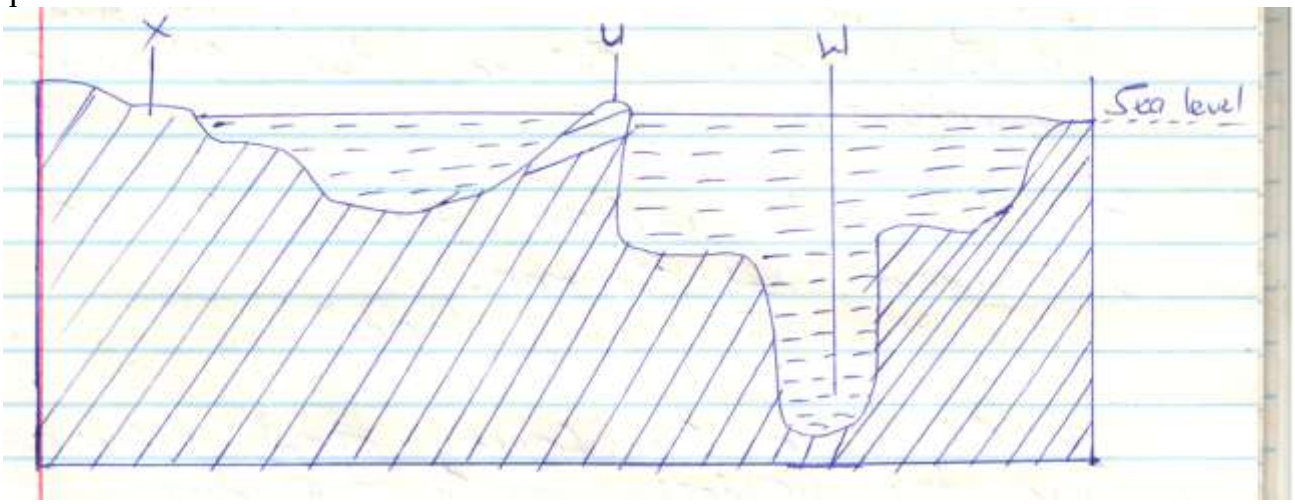
**(l) a)** What is the relationship between Geography and Mathematics? (2mks)
**b)** State four reasons why it is important to study Geography. (4mks)

**(m)** **a)** Name the two layers of discontinuity that are part of the interior structure of the earth. (2mks)
**b)** State three characteristics of the outer core in the interior structure of the earth. (3mks)

**(n) a)** Name two forms of precipitation that commonly occur in Kenya. (2mks)
**b)** What is a steveson's Screen? (2mks)

**(o) a)** Identify two causes of earth movements. (2mks)

**(p) a)** The diagram below represents the relief of the ocean floor, use it to answer questions.




**m.** Name the features marked U, W and X. (3mks)

X

W

U

**n.** Give three reasons why ocean are saline. (3mks)

**b)** State one characteristic of Rift Valley lakes. (1mk)

**c)** Name one salt water lake that lies north of the equator in Kenya. (1mk)

**SECTION B.**

**Answer questions 6 and any other two questions from this section.**

**(q)** Study the map of Busia 1:50,000 (sheet 101/1) provided and answer the following questions.

**18.** What is the vertical interval of the area covered by the map? (1mk)

**xxvii)** Give the six figure grid reference of the chiefs house. (2mks)

**xxviii)** What was the magnetic variation of the area when the map was drawn? (1mk)

**xxix)** What is the height of Odiado hill? (2mks)

**19.** Measure the distance of the international boundary from point where it crosses Northing 41 to Northing 50 (Give your answer to the nearest 100 metres) (2mks

**vi.** Calculate the area enclosed by river sio, south of Northing 50, West of all weather road, loose surface ( $B^{8}/_{3}$) and East of the international boundary. (2mks)

**20.** Using a vertical scale of 1cm to represent 40metres, draw a cross section along Northing 37 from Easting 24 to Easting 31. On the cross-section mark and name. (7mks)

**7.** All weather road, loose surface
**8.** River
**9.** Swamp
**10.** Hill
**11.** Riverine trees

**vii.** Calculate the vertical exaggeration of the cross section. (2mks)
**viii.** Determine the intervisibility of the section you have drawn. (1mk)

**21.** Describe the drainage of the area covered by the map. (5mks)

**(r)** Define chemical weathering. (2mks)

**lix)** Explain how crystal growth leads to weathering. (5mks)

**lx)** Geography students in your school are planning to carry out a field study on rock weathering around your school.

**XXIII.** Apart from crystal growth, name five other mechanical weathering processes they are likely to study in the area. (5mks)

**XXIV.** State five importance of each of the following for your study.

**a.** Reconnaissance (5mks)
**b.** Working schedule (5mks)

**XXV.** Which three problems are you likely to experience while collecting the data in the field? (3mks)

**(s)** Describe how a river erodes its channel through the following processes. (6mks)

**vii)** Abrasion
**viii)** Solution
**ix)** Hydraulic action

**b.** Explain four ways through which a river transports its load. (8mks)

**c.** State three factors that determine a river ability to transport its load. (3mks)

**ii.** Highlight four ways through which a gorge may be formed. (4mks)

**iii.** State four significance of rivers in Kenya.
(4mks)

**(t)** What is an earthquake? (2mks)

**xxii)** Using a simple diagram explain the following terms. (5mks)
Epicenter

Seismic focus

Shockwaves travel outwards

13. Explain four human causes of Earthquake. (8mks)

xxiii) Name the two types of Earthquake waves. (2mks)

14. Differentiate between:
    iv. Deep focus earthquake and shallow focus Earthquake. (2mks)
    v. Richter scale and mercallic scale. (2mks)

15. List four regions of the world where earthquakes are likely to occur. (4mks)

**(u)** Distinguish between an ocean and a sea. (4mks)

ii) State three types of submerged coasts. (3mks)

iii) Explain two ways in which water moves in an ocean. (4mks)

iv) Explain four significance of oceans, coasts and coastal features. (8mks)

v. Describe the formation of the following features due to wave erosion. (6mks)

a. Wave cut platform and cliff.

b. Geo

# SET 1 HOLIDAY ASSIGNMENT

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# NAME: …….CLASS:……..ADM.NO…….

# GEOGRAPHY PAPER 2

# FORM THREE

# TIME:

## SECTION A:

## Answer ALL questions in this section in the spaces provided.

**lxi)**(a) Define the term environment. (2mks)

(b) State two types of environment. (2mks)

(c) Highlight three sources of pollution in the environment. (3mks)

**lxii)** (a) Identify three factors that influence the exploitation of minerals. (3mks)

(b) Name the area where the following minerals are mined in Kenya.
i) Diatomite. (1mk)

ii) Salt (1mk)

**lxiii)** (a) Distinguish between forest and forestry. (2mks)

(b) Identify three activities that may be undertaken in your school to conserve trees. (3mks)

**lxiv)** The table below represents the rainfall and temperature data of station for one year.
Study it and answer the questions that follow.

| **Month** | **J** | **F** | **M** | **A** | **M** | **J** | **J** | **A** | **S** | **O** | **N** | **D** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rainfall in (mm)** | 5 | 10 | 33 | 40 | 60 | 100 | 75 | 40 | 30 | 15 | 5 | 5 |
| **Temp $^{o}$C** | 23 | 24 | 25 | 27 | 27 | 29 | 28 | 27 | 26 | 25 | 24 | 24 |

x) Calculate the following;
xxx) Annual temperature range. (2mks)

xxxi) Mean monthly temperature. (2mks)

xxxii) Annual rainfall. (2mks)

lxv) Differentiate between field study and an excursion. (2mks)

**SECTION B:**

**Answer ALL Questions in this particular section**

lxvi) (a) Name the major natural forests of the world. (3mks)

(b) Explain four factors that influence distribution of natural forests.(8mks)

(c) Highlight comparisons softwood forests in Kenya and Canada. (6mks)

(d) State three species of softwood found in Kenya and Canada respectively. (3mks)

Kenya –

Canada –

(e) Explain two problems facing forestry in Kenya. (4mks)

(f) State one importance of forest exploitation in Kenya. (1mk)

lxvii) Study the table below of a station B in a month of July and answer the following questions.

| NE | E | S | N | SW | SE | W | NW | CALM |
|---|---|---|---|---|---|---|---|---|
| 3 | 1 | 2 | 3 | 7 | 1 | 6 | 4 | 4 |

XXVI. Use a suitable cartographic technique to represent the data. (8mks)

XXVII. (i) State advantages of using the method in (a) above to represent the data. (4mks)

(ii) State the disadvantages of using the method. (3mks)

XXVIII. (i) State five significances of statistics. (5mks)

XXIX. Name three methods of recording statistical data. (3mks)

XXX. Differentiate between primary and secondary data. (2mks)

lxviii) Study the photograph below and answer the questions that follow.

xxiv) (i) Name the mining method shown in the photograph. (1mk)

(ii) Describe how minerals are obtained using the method shown in the photograph. (5mks)

xxv) Using evidence from the photograph suggest the time of the day when the photograph is likely to have been taken. (2mks)

xxvi) Apart from the method shown in the photograph, name four other mining methods. (4mks)

xxvii) Name three problems the method used in the photograph can cause to the environment. (3mks)

xxviii) Explain five ways in which Kenya has benefited from the mining of soda ash in Lake Magadi. (10mks)

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# SET 1 HOLIDAY ASSIGNMENT

# NAME: …… ADM NO: …… CLASS: ……

# FORM THREE HISTORY

# PAPER 1

**INSTRUCTIONS:**

This paper consists of three sections; A, B and C. Answer all the questions in section A, three questions in section B and two questions in section C.

**SECTION A: 25 MARKS)**

**Answer all the questions from this section.**

1. Give one unwritten source of information on the history of East African Coast. . (1 mk)

2. Name two areas where the Suba settled in Kenya. (2 mks)

3. Outline ways by which one can become a Kenyan citizen. (2 mks)

4. Give the dispersal area of the Eastern Bantu. (2 mks)

5. State the historical monument left behind by the Portuguese. (1 mk)

6. Give two characteristics of human rights. (1 mk)

7. Mention two Kenyan communities who offered a mixed reaction to British colonization. (2 mks)

8. Outline one way in which the colonial government controlled the migration of Africans into urban centers. (1 mk)

9. What problems did the British Imperial East Africa Company encounter in administering the Kenyan protectorate? (2 mks)

10. State two operational bases established by the Imperial British East Africa Company in Kenya. (2 mks)

11. Identify two aspects of History. (2 mks)

12. State two advantages of using arbitration as a method of solving conflicts. (2 mks)

13. What was the main reason for the signing of Heigoland treaty of 1890? (1 mk)

14. State two ways in which education promotes national unity in Kenya. (2 mks)

15. Mention two circumstances under which an individual freedom of movement may be limited in Kenya. (2 mks)

16. Give two types of democracy. (2 mks)

**SECTION B: 45 MARKS)**

**Answer three questions from this section.**

17. (a) Give five reasons why the Bantu migrated from their coastal settlement in Shungwaya. (5 mks)

(b) Describe social organization of the Luo during the pre-colonial period. (10 mks)

18. (a) What were the roles of mission stations in the spread of Christianity in Kenya in the 19th century? (3 mks)

(b) Explain six factors that facilitated missionary work in Kenya in the 19th century. **(12 mks)**

19. (a) Mention three African women who resisted British colonial rule. (3 mks)

(b) Explain the causes of Agiriama resistance against the British colonial rule. (12 mks)

20. (a) Describe the reasons for the Akamba participation in long distance trade. (8 mks)

(b) Give challenges facing industrial growth in Kenya. (7 mks)

**SECTION C: 30 MARKS)**

**Answer any two questions from this section.**

21. (a) Give five reasons why national integration is important. (5 mks)

(b) Explain the causes of conflicts among the people of Kenya today. (10 mks)

22. (a) Give five circumstances under which a person's right to personal liberty may be limited in Kenya. (5 mks)

(b) Explain five rights enjoyed by persons with disabilities in Kenya. (10 mks)

23. (a) Identify any three methods used by Europeans to establish their rule in Kenya. (3 mks)

(b) Explain the results of Nandi resistance. (12 mks)

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# SET 1 HOLIDAY ASSIGNMENT

**NAME: …….. CLASS: …… ADM NO: …….**

## FORM THREE HISTORY

## PAPER 2

**INSTRUCTIONS:**

**Answer all questions in section A, three questions in section B and two questions in section C.**

### SECTION A: (25 MARKS)

**Answer all the questions from this section.**

1. State the main characteristic of the stone age era. (1 mk)
2. Identify the methods of irrigation used by early Egyptian farmers. (2 mks)
3. State two results of the interaction between the Shona and the Ndebele during the pre-colonial period. (2 mks)
4. Identify the main features of colonial rule in Zimbabwe. (2 mks)
5. State the most important unifying item of the Asante Kingdom in the left $19^{th}$ century.(1 mk)
6. Mention two early forms of written communication. (2 mks)

7. State the two main duties of the Indigenous rulers in Northern Nigeria. (2 mks)

8. State one main reason for the use of barter trade in the Trans-Saharan trade. (1 mk)

9. What name was given to Kinjeketile's whispering campaign of spreading his ideas during the Maji maji rebellion. (1 mk)

10. State two factors that influenced the Neolithic revolution. (2 mks)

11. Who is credited with the invention of the cotton gain? (1 mk)

12. Identify two types of Monarchical government. (2 mks)

13. How does Jean Jacques Rousseau define government? (1 mk)

14. Give one scientific discovery in the field of medicine in the $19^{th}$ century. (1 mk)

15. Give one physical feature of Austrolopithecus Boisei. (1 mk)

16. Identify two places where Olduwan tools were found. (2 mks)

17. Give one problem experienced by using steam for energy. (1 mk)

## SECTION B: (45 MARKS)

**Answer any three questions from this section.**

18. (a) Identify three advantages of space exploration. (3 mks)

(b) Explain six economic effects of modern road transport. (12 mks)

19. (a) Give five reasons for the failure of the Maji maji rebellion. (5 mks)

(b) Explain five reforms introduced by Germans after the Maji maji uprising. (10 mks)

20. (a) State three factors leading to development of Athens. (3 mks)

(b) Discuss the impact of Agrarian and Industrial development on urbanization. (12 mks)

21. (a) Give three reasons for the coming of missionaries to Africa. (3 mks)

(b) Discuss six obstacles missionaries encountered in spreading Christianity. (12 mks)

## SECTION C: (30 MARKS)

**Answer any two questions from this section.**

22. (a) Give five factors for the failure of assimilation policy in French West Africa. (5 mks)

(b) Explain the effects of British rule in Zimbabwe. (10 mks)

23. (a) State three factors that have led to growth of Johannesburg. (3 mks)

(b) Identify six problems facing industrialization in South Africa. (12 mks)

24. (a) State three functions of the Katikiro of Buganda during the pre-colonial period. (3 mks)

(b) Describe the social organization of the Shona during the pre-colonial period. (12 mks)

# SET 1 HOLIDAY ASSIGNMENT

## NAME: …….. CLASS: …… ADM NO: …….

## ANSWER ANY FIVE QUESTION S IN THE ANSWER SHEET PROVIDED

1. a) Outline seven activities performed by God in the second biblical account of creation (7mks)

b) Give six similarities between six in the bible and the Traditional African understanding of the evil (6mks)

c) In what ways is the church fighting evil in the society (7mks)

2a) Explain how Abraham demonstrated his faith in God (6mks)

b) Outline the role played by Moses in the history of the Israelites.(8mks)

c) What do Christians learn about God from the ten plaques. (6mks)

3a) Give reasons against theocratic rule in Israel (7mks)

b) Explain seven challenges faced by King David in Israel.(7mk)

c) Identify six reasons why a leader may be rejected in the society today. (6mks)

4 a) state four reasons why God's true prophets were putting their prophecies into writing. (4mks)

b) Give four characteristics for false prophets as depicted in the Old Testament. (6mks)

c) Write down five differences between the traditional prophets and the Old Testament prophets. (10mks)

5. a) Describe the call of Amos. (6mks)

b) Identify the social injustices condemned by prophet Amos. (6mks)

c) Explain four factors which hinder a Christian from helping the needy (8mks)

6. a) Why are taboos important in traditional African communities. (6mks)

b) List 8 ways in which member of the traditional African communities helped the bereaved families (8mks)

c) Identify 6 steps taken by the church to assist orphans. (6mks)

# SET 1 HOLIDAY ASSIGNMENT

## NAME: …….. CLASS: …… ADM NO: …….

## ANSWER ANY FIVE QUESTION S IN THE ANSWER SHEET PROVIDED

**CRE PP2 313/2**

**TIME: $2^{1}/_{2}$ hours**

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**INSTRUCTIONS:**

Answer any Five questions in the answer sheets provided

a) Explain how Jesus fulfilled the old testament prophecies about the messiah (8mks)

b) Describe Zacharias vision in the temple (6mks)

c) State six lesson Christians learn from the annunciation of the birth of john the Baptist(6mks)

2 a) Mention six incidences where the angel were used by God to communicate his message in St Luke's gospel(6mks)

b) Describe Jesus raising Jairus daughter (Lk 8;40-56) (

c) Describe six ways in which Jesus observed the religious practices of the Jews

3 a) Narrate the parable of the good Samaritan (lk 10) ( 8mks)

b) Give six reasons that Jesus used parables in his teachings(6mks)

c) In which six ways in which Christians show their faith in God today(6mks)

4a) identify six reasons why Jesus conflicted with the Jewish religious leaders (6mks)

b) What is the importance of transfiguration to the ministry of Jesus (8mks)

c) Explain six reasons why the resurrection of Jesus is important to Christians(6mks)

5 a) Explain what Jesus taught his disciples about the role of the holy spirit (7mks)

b) Outline what Paul taught about Jesus in his speech on the day of Pentecost (6mks)

c) explain ways in which gifts of the holy spirit are abused in church in Kenya(7mks)

6a) Explain four teachings of Paul on Christian unity as illustrated in the body of Christ ($1^{st}$ Cor 12: 12-27 (8mks)

b) State six problems faced by the church at the Corinth during the time of Paul. (6mks)

c) Outline six fruits of holy spirit according to Galatians 5: 6-26 ( 6mks)

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**NAME: …….. CLASS: …… ADM NO: …….**

**INSTRUCTIONS TO CANDIDATES**

- ✓ Answer all questions in spaces provided

1. Describe the following terms as used in Microsoft word.

XXXI. Text wrapping (1mk)

……

……..

XXXII. Column breaks (1mk)

……

……

2. List down two softcopy output devices (2mks)

……

……..

3. List three sources of viruses (3mks)

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4. List four ways in which data integrity can be compromised (4mks)

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5. A computer laboratory should be constantly kept dust and smoke free. Specify two effects that dust would have on the operation of computers (2mks)

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6. Why should you first switch on the UPS before switching on the system unit and the monitor? (1mk)

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7. State three ways used to represent a negative number. (3mks)

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8. a) Distinguish between data privacy and data integrity as used in computing (2mks)

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b) Difference between a primary key and a foreign key while designing a database. (2mks)

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c) Distinguish between count and countif functions as used in spreadsheets (2mks)

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9. a) State under which category of keyboard the following keys would fall (2mks)

i) H

ii) F10

……

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b) State two functions of insert key (2mks)

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10. Define portability as used in software selection (1mk)

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11. List four ways of acquiring software in an organization (2mks)

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12. What does the following control measures against computer crime involve? (4mks)
    a) Audit trail

    ……

    b) Data encryption

    ……

    c) Log files

    ……

    d) Passwords

    ……

13. Give the name of CPU registers used to perform the following (2mks)
    c) Store the address of the next instruction to be executed

    ……

    d) Stores instructions currently being executed

    ……

14. Name six hardware factors considered when selecting a computer system (3mks)

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15. Give two reasons why powder type fire extinguishers are not recommended for use in the computer laboratories ( 2x1=2mks)

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16. Use the table below from a word program to answer the following questions

| **Exam** | **Maths** | **English** | **Computer** |
|---|---|---|---|
| CAT 1 | 40 | 38 | 38 |
| CAT 1 | 35 | 31 | 35 |
| | X | Y | |

o. Different formula were applied to display different results as indicated below:
Write the formula that would be typed in X, Y and Z to display 1400, 69 and 2 respectively.

(3mks)

p. Give two advantages of DTP over a word processor (2mks)

……

……

q. State two peripheral devices connected to the computer via PS2 (2mks)

……

……

r. Jane encountered desktop computer with the following features

xxxiii) 3.0 USB ports

xxxiv) 4.0 GB primary storage

xxxv) 19" TFT VDU

xxxvi) 500 SATA HDD

xxxvii) Linux 7.1

xxxviii) AVG antivirus

i) Give 3 reasons for wide use of USB gadgets in the society today (3mks)

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ii) What is the meaning of the following specifications:

- 4.0 GB primary storage (1mk)

……

- 19" TFT VDU (1mk)

……

- 500 SATA HDD (1mk)

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- Linux 7.0 (1mk)

……

iii) Give three factors to consider when selecting an OS to install in your computer (3mks)

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iv) Describe two symptoms of a computer infected by virus (2mks)

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17. a) Give TWO examples of desktop publishing software. (1mk)

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b)A computer teacher at St. Joseph's Girls High School tells students to always ensure that computers are reconnected to uninterrupted power supply. List TWO reasons why its necessary to have this device in a computer lab. (1mk)

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……..

18. a) Using two's complement subtract $73_{10}$ from $115_{10}$ and convert the answer to decimal notation. (4mks)

b) Convert the octal number $1111_8$ to its base ten equivalent.

c) Convert $11.011_2$ to a decimal number. (4mks)

29.Differentiate between the following terms as applied in operating system.

i) Multi-user and multi-tasking (2mks)

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ii) Downloading and uploading (2mks)

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iii) Cut and copy commands (2mks)

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iv) Filtering and sorting (2mks)

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v) Relative and absolute cell referencing (2mks)

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19. a) State two merits of using the following input devices (4mks)

i) Speech recognition

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ii) Touch screen

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b) List two softcopy output devices (2mks)

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e) Distinguish between impact and non-impact printers citing one example in each (4mks)

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20. Give importance of having the following in computer laboratory (2mks)

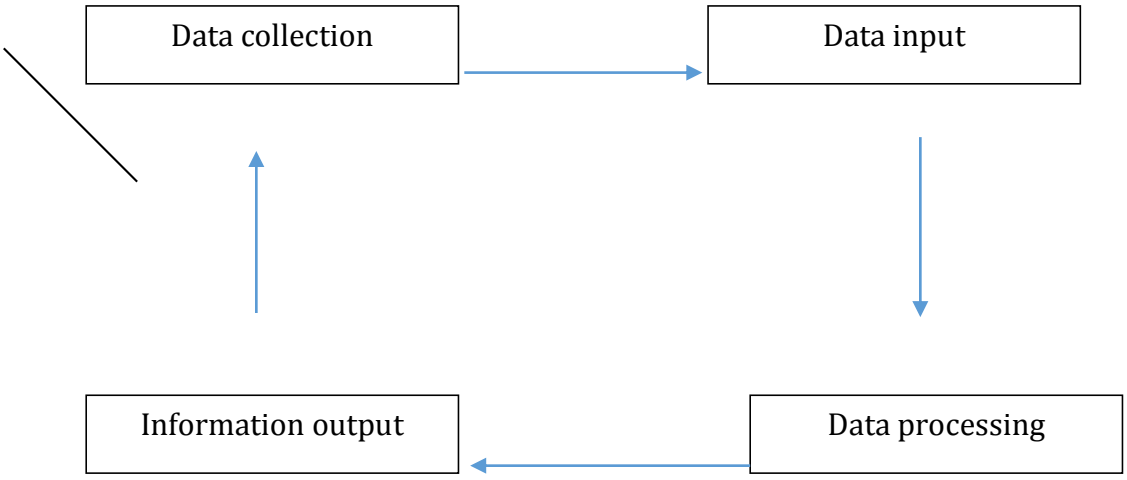
i) Standard furniture in the laboratory

……

ii) Antiglare screen/monitor

……

21. The diagram below shows the data processing cycle.



i) List the six stages of data collection in their correct order (3mks)

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ii) List any four data collection media that can be used to collect data. (2mks)

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# SET 1 HOLIDAY ASSIGNMENT

**NAME ---------- INDEX NO----------**

**DATE_____ CANDIATES SIGNATURE _____**

**565/1**

**BUSINESS STUDIES**

**PAPER 1**

**TIME: 2HRS**

**INSTRUCTIONS TO CANDIDATES**

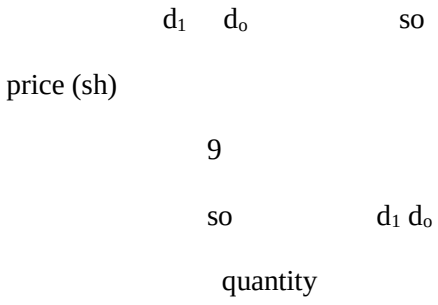
16. Write your Name and index No in the spaces provided
17. Answer all the questions
18. All answers must be written in the spaces provided

**This paper consist of 7 printed pages candidates should check the questions paper to ascertain that all the pages are printed as indicated and that no questions are missing**

**ANSWER ALL THE QUESTIONS**

22. Name the discipline described below that is part of the subject Business Studies (4mks)

23. The diagram below shows a shift of the demand give of a commodity from dodo to d1d1. Outline any four factors that could have led to the shift (4mks)




24. Highlight four factors that may make communication in an organization to be ineffective (4mks)

25. Give four circumstances under which a cooperative society may be dissolved (4mks)

26. Outline any four characteristics of an imperfect competition market (4mks)

27. Write down the meaning of the following terms as used in business (4mks)

28. Give four  benefits of electronic filing in an office (4mks)

29. Give four reasons why business firms advertise their products (4mks)

30. Mr Kigen is the managing director of Mbau furniture ltd. Which has a large, well equipped workshop with expensive machines. The company handles large sums of money. Outline four insurance policies that the company may have (4mks)

31. Outline four benefits to a firm that uses modern technology in its production activities(4mks)

32. Highlight four benefits to a retailer who uses a public warehouse to store goods (4mks)

33. A business wishes to communicate the arrival of much waited stock of goods to its customers. Give four reasons why it might describe to write a short text message(sms) to the customers instead of a business letter (4mks)

34. Outline any four advantages of using intermediaries in the chain of distribution (4mks)

35. List down four assumptions of the circular flow of income in a two sector economy (4mks)

36. Give any four challenges faced by human beings in their endevour to satisfy human wants (4mks)

37. Highlight any four benefits that the recently launched standard gauge railway from Mombasa to Kisumu would bring to Kenya's economy (4mks)

38. Name any four occupations that are found at the extractive level of production (4mks)

39. Outline any four advantages of small-scale retailers over large-scale retailers (4mks)

40. Highlight any four methods used to determine prices of goods and services in the economy (4mks)

41. Outline any four challenges that entrepreneurs face in Kenya (4mks)

42. Highlight four characteristics of free resources (4mks)

43. Give four advantages of self employment (4mks)

44. Outline any four duties of an office receptionist (4mks)

45. Name the types of advertising that are described below (4mks)

**xxix)** Brand name and other features of the brand features more prominently –

**xxx)** Advertising that aims at popularizing a new product –

**xxxi)** Advertising that popularizes the business organization –

**xxxii)** **U**sed by organization that deals with similar products to convince potential customers to buy their products and not the other –

46. Highlight any characteristics of subsistence production in Kenya (4mks)

**mwalimuepublishers@gmail.com**

# SET 1 HOLIDAY ASSIGNMENT

**NAME ---------- INDEX NO----------**

**DATE_____ CANDIATES SIGNATURE _____**

## INSTRUCTIONS TO CANDIDATES:

## AGR PP1

*0. Answer **ALL** the questions*
*1. Answers should be written in the spaces provided*

**SECTION A (30 marks)**

12. Mention **four** factors that determine the depth of planting in crop production. (2mks)

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2. State **four** benefits of a good soil structure.
(2mks)

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3. State **four** factors to be considered in sitting nursery bed.
(2mks)

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4. Give **four** advantages of shifting cultivation.
(2mks)

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5. Name **four** factors influencing soil formation.

(2mks)

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6. Define the term **drainage**.

(1mk)

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7. Give any **three** tertiary operations carried out during land preparation. (1 ½mks)

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8. State **three** forms in which soil water exists.

(1 ½ mks)

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9. In farming under what conditions is opportunity cost zero.

(1mk)

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10. What are the deficiency symptoms of sulphur? (1½ mks)

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11. Name the vegetative materials used in the establishment of the following crops.

Bananas ……..……..……..(½ mk)

Pineapples…….....……(½ mk)

Sisal ……..…… (½ mk)

12. State **four** advantages for planting potatoes in a ridged seedbed. (2mks)

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13. State **four** reasons for pruning. (2mks)

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14. What is organic farming? (1mk)

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15. Give reasons for carrying each of the following practices in tomatoes nursery. (2mks)

**i) Pricking out**

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**ii) Hardening off**

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iii) State **two** problems that may be brought by a hard pan. (1mk)

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15. Give **four** advantages of tissue culture. (2 marks)

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16. State **four** properties of soil influenced by its texture. (2 marks)

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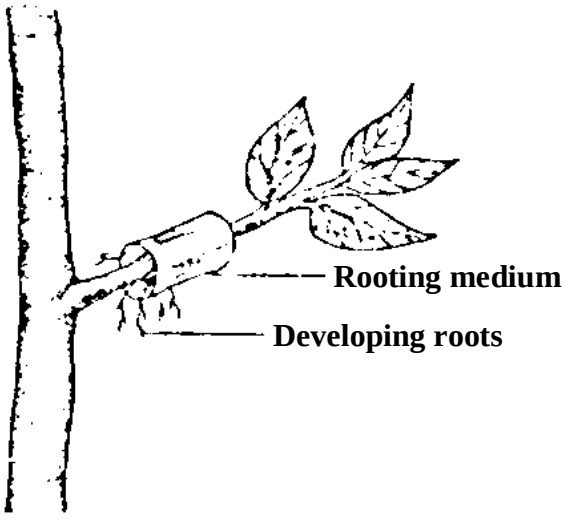
**SECTION B (20 MARKS)**

***Answer ALL questions from this section in the spaces provided.***

lxix) The diagram below shows a method of layering. Study it and answer the questions that follow.




xxxix) Identify the method of layering illustrated above.

(1mk)

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.....

xl) State **one** circumstance in which the method of layering indicated above is recommended.
(1 mk)

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xli) Maize requires 120kg/ha of phosphorus pentoxide ($P_2O_5$). How much of the compound fertilizer20:20:10 would be applied to 0.4 hectare of land to achieve this rate.
(show your working).
(2 marks)

d) Distinguish between straight fertilizers and compound fertilizers.
(2 marks)

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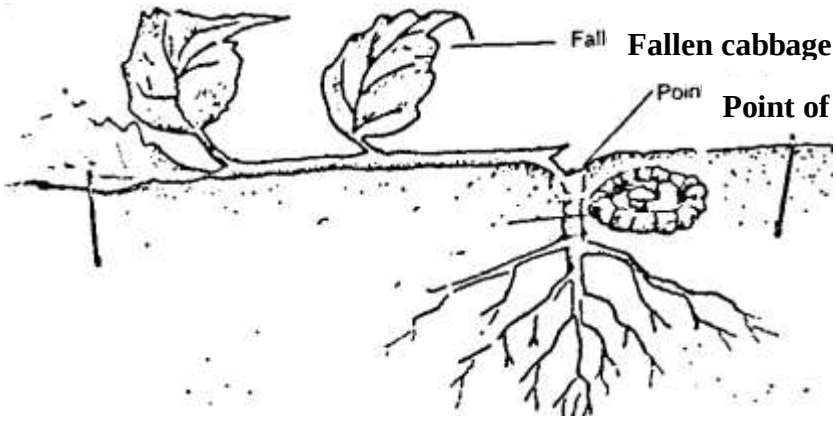
lxx) The diagram below shows a cabbage seedling which has been attacked by a certain pest.



xxxiii) Identify the pest
.....(1 mark)

xxxiv) State **three** methods of controlling the above pest
(3 marks)

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.....State **four** methods of harvesting water on the farm.
(4marks)

lxxi) The diagram below illustrates a field management practice carried out to a fruit crop

a. i) Identify the practice illustrated above.
(1mark)

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ii) Give **three** reasons for carrying out the practice illustrated in the above diagram.
(3marks)

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b. Give a reason why it is not advisable to use manure in carrot production.

(1mark)

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**SECTION C (40 MARKS)**

Answer ***only two*** questions in this section in the spaces provided.

lxxii) a) Describe the methods used in preparing materials in readiness for planting. (8 marks)

b) Explain the factors that may determine spacing of crop in the farm (8 marks)

c) Explain briefly the factors that influence timely planting.
(4marks)

21 a) State and explain the uses of farm records to a farmer
(10mks)

b) Explain how the following land reforms are carried out

i) Land consolidation
(5mks)

ii) Land adjudication and registration
(5mks)

22. a) Describe the environmental conditions that may lead to low crop yield
(5mks)

b) Explain the factors of cultural methods of soil and water conservation
(10mks)

c) Give FIVE advantages of overhead irrigation
(5mks)

23. a) Explain the factors of cultural methods of soil and water conservation
(15mks)

b) Give FIVE advantages of overhead irrigation
(5mks)

# SET 1 HOLIDAY ASSIGNMENT

**mwalimuepublishers@gmail.com**

**NAME ---------- INDEX NO----------**

**DATE_____ CANDIATES SIGNATURE _____**

# AGRICULTURE FORM THREE PP2

# INSTRUCTIONS TO CANDIDATES:

*0. Answer **ALL** the questions*
*1. Answers should be written in the spaces provided*

**SECTION A ( 30MARKS)**

xlii) Name **three** types of dairy goats reared in Kenya

(1 ½)

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xliii) a). What is raddling in sheep management

(1mk)

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b. Give **two** reasons for raddling in sheep management

(1mk)

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xliv) Give **three** advantages of contemporary comparison method in selection of livestock

($1^1/_2$)

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xlv) Give **two** reasons for spreading a polythene paper (pvc) on the slab of a permanent farm building (2mks)

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xlvi) Name three types of Fresh warm water fish reared in Kenya (1 ½ mks)

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xlvii) a) Give **three** disadvantages of inbreeding in cattle production ($1^1/_2$mks)

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b). Give **three** ad vantages of embryo transplant in cattle ($1^1$/2mks)

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xlviii) Name the farm tools used for each of the following operations listed below.

(v) Tightening barbed wire during fencing.....(½ mark)

(w) Smoothening of concrete floors.....(½ mark)

(x) Giving liquid drugs to livestock through the mouth .....(½ mark)

(y) Sharpening the teeth of across-cut saw.....(½ mark)

xlix) List **four** factors considered when making a choice of building materials.

(2 marks)

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l) State **two** reasons why calves should be housed singly . (1 mark)

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li) What is cropping in fish farming? (½ mark)

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11. State **three** methods of disbudding young calves.
(1½marks)

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12. State **two** reasons why calves should be housed singly . (1 mark)

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13. Name **one** intermediate hosts for each of the following.

vi. Tapeworm*(Taenia spp)*.....(½ mark)

vii. Liver fluke*(Fasciola spp)*.....(½ mark)

14. Name **four** disease predisposing factors outside an animal's body.
(2 marks)

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15. State **four** factors that determine the amount of water a beef animal can take .
(2 marks)

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16. State **four** structural requirements of a zero grazing unit.
(2 marks)

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17. a) Name the tool used for shearing wool sheep. .....(½ marks)

b) State **three** practices carried out during tupping season in sheep management. (1½ marks)

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18. State **three** functions of carbohydrates in livestock nutrition. (1½ marks)

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**SECTION B 20 MARKS**

s. Below are illustrations of farm tools and equipment.


XXXIII. Identify the tool labelled A and C

A (1 mark)

……

B (1 mark)

……

XXXIV. State the advantage of tool B over tool C (1 mark)

……

……

XXXV. State two maintenance practices carried out on tool labelled B. (2 marks)

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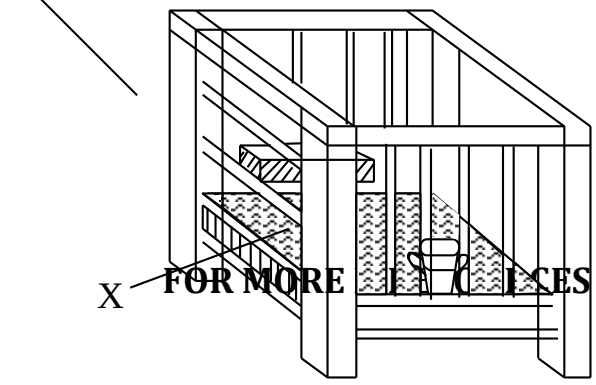
t. Below is a farm structure. Study it carefully and answer the questions that follow.



ix. Identify the farm structure above

.....(1 mark)

x. State the requirement of the part labelled X (1 mark)

……

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……..…….....……

xi. State **three** maintenance practices that should be carried on the structure. (3 marks)

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u. A dairy farmer prepared 1000kg of feed (20%DCP) from the following feedstuffs:
Oats – 10% DCP , Simsim seedcake 60% DCP

Calculate the amount of each feedstuff used using Pearson's square method.
(3marks)

lxxiii) Classify the following feedstuffs as either roughage or concentrate. (2marks)

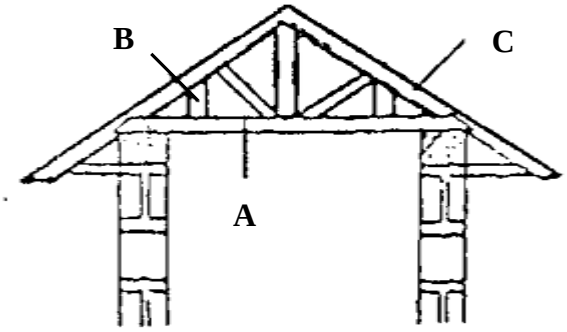
xi) Bone meal

_____

xii) Silage

_____

22. Study the diagram below of a farm structure and answer the questions that follow.




xxxv) Identify the parts labelled A, B, and C. (3 marks)

A

_____

B

_____

C

_____

xxxvi) Name **two** chemical preservatives that can be used to treat the wooden part of the above structure against fungi and insect attack.
(2marks)

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**SECTION C 40 MARKS**

**Answer any two questions from this section in the spaces provided .**

23. [a] Describe six signs of farrowing in a sow .
[6mks.]

[b]Explain six benefits of the Kenya top bar hive .
[6mks.]

[c]Explain eight factors considered when siting farm structures .
[8mks.]

24. a) State and explain 5 reasons for keeping livestock. (10 marks)

b) Describe factors considered when selecting a gilt for breeding. (6 marks)

c) Name four systems of breeding used to improve livestock. (4 marks)

25. a) Describe ten general methods of disease control in livestock.
(10marks)

b) Describe the advantages of fences. (10 marks)

# For Marking Schemes

# Call/Text/WhatsApp 0705525657