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CLASS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CANDIDATE SIGN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**311 /1**

**HISTORY & GOVERNMENT**

**PAPER 1**

**MAY 2022**

**TIME: 2½ HOURS**

**FORM 4 MID TERM EXAMS 2022 TERM1**

**(KENYA CERTIFICATE OF SECONDARY EDUCATION**

**INSTRUCTIONS TO CANDIDATES**

1. The paper consists **three** sections A, B and C
2. Answer ALL questions in section A, three questions from section B and two questions from section C
3. Answer to all the questions must be written in the answer booklet provided.
4. This paper consists of ten (10) printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated, and that no questions are missing.
5. Candidates should answer all the questions in English language.

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SECTION A** | **SECTION B** | | | | **SECTION C** | | | **TOTAL SCORE** |
| **1-17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |  |
|  |  |  |  |  |  |  |  |

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**SECTION A (25 MARKS)**

***Answer all questions in this section.***

1. Name two sources of History of Kenyan communities during the pre-colonial period. (2mks)
2. Give two reasons for studying government. (2mks)
3. State two limitations of using anthropology as a source of information on History and Government.

(2mks)

1. Name the last stage in the evolution of man. (1mk)
2. Identify two Bantu communities that settled at Mt. Elgon before migrating to their present homeland? (2mks)
3. State two factors which made it possible for the traders to come to Kenyan coast before 1500AD. (2mks)
4. Give two reasons why the government may limit the freedom of speech. (2mks)
5. Name the document which contains the rights of the citizens in Kenya. (1mk)
6. Give two ways in which rural to urban migration in Kenya contributes to national unity. (2mks)
7. What was the main provision of the independent constitution of Kenya. (1mk)
8. Highlight two types of Human Rights. (2mks)
9. Give the main reason why the British were able to conquer Kenya during the 19th C. (1mk)
10. Give one reason why Africans were denied equal education opportunities with other races during the colonial period. (1mk)
11. Name one African Nationalist parties whose leaders attended the Lancaster House conference in London. (2mks)
12. What was the main contributions of Thomas Joseph Mboya to the history of Kenya. (1mk)
13. Which organization is responsible for the co-ordination of parliamentary elections in Kenya. (1mk)
14. Identify one Asian who took part in the struggle for independence in Kenya. (1mk)

**SECTION B. (45 MARKS)**

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

18. a) Give the economic reasons why the cushites migrated from their original homeland into Kenya. (3mks)

b) Explain the results of the migration and settlement of the Eastern Bantu into Kenya by 1900 AD. (12mks)

19. a) State three reasons why the Oman rulers were interested in establishing their control over the

Kenyan coast (3 mks)

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b) Explain why the Christians missionaries established mission stations in Kenya during the colonial period. (12mks)

20. a) State three reasons why the British used imperial British East African Company to administer her possessions. (3mks)

b) Explain why Kenyan communities were defeated by the Europeans during the establishment of colonial rule

(12mks)

21. a) Highlight three problems which the independent schools faced during the colonial period. (3mks)

b) Explain various reasons why the maumau movement was able to last for a long time. (12mks)

**SECTION C: (30MARKS)**

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

22. a) Identify five elements of good citizenship in Kenya. (5mks)

b) Explain different ways through which the education system in Kenya promotes national unity. (10mks)

23. a) State three ways in which direct democracy is exercised in Kenya. (3mks)

b) Explain why the constitution is important in Kenya. (12mks)

24. a) Give three ways in which a person may become a member of parliament in Kenya. (3mks)

b) Why are parliamentary elections held regularly in Kenya. (12mks)

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**HISTORY & GOVERNMENT**

**FORM 4**

**TIME: 2 HOURS 30 MINUTES**

**FORM 4 MID TERM EXAMS 2022 TERM1**

**MARKING SCHEME**

**SECTION A (25 MARKS)**

1. **Name two sources of History of Kenyan communities during the pre-colonial period. (2mks)**
2. Oral traditions
3. Archaelogy
4. Linguistics
5. Anthropology
6. Written sources/records e.g. books, magazines, etc
7. Genetics
8. Geology
9. Electronic

(Any 2 x 1 = 2mks)

1. **Give two reasons for studying government. (2mks)**
2. To understand how different organs of government function
3. To understand how laws are made/enforced
4. To have knowledge of the duties/responsibilities of citizens
5. To enable citizens, know their rights
6. To be able to compare political systems of the world.
7. **State two limitations of using anthropology as a source of information on History and Government. (2mks)**
8. It’s time consuming
9. It is an expensive method
10. Information collected may be innacurate
11. Information collected may be biased

(Any 2 x 1= 2mks)

1. **Name the last stage in the evolution of man. (1mk)**
2. Homo sapien sapien
3. **Identify two Bantu communities that settled at Mt. Elgon before migrating to their present homeland? (2mks)**
4. Abagusii ii) Abakuria iii) Abalughya

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1. **State two factors which made it possible for the traders to come to Kenyan coast before 1500AD. (2mks)**
2. Accessibility of the Kenyan Coast via the sea
3. Availability of funds to finance their journey
4. Availability of dhows
5. The moonson winds which propelled their dhows to the coast.

(Any 2 x 1 = 2mks)

1. **Give two reasons why the government may limit the freedom of speech. (2mks)**
2. If one’s speech incites the public against the state
3. If one disclosed confidential information relating to the state
4. If one spreads false information about the state/individual
5. **Name the document which contains the rights of the citizens in Kenya. (1mk)**

* The constitution of Kenya /The Bill of Rights

1. **Give two ways in which rural to urban migration in Kenya contributes to national unity.**
2. It promotes inter-ethnic interaction and intergration **(2mks)**
3. It promotes peaceful coexistence/harmonious living between different communities
4. **What was the main provision of the independent constitution of Kenya (1mk)**

* The constitution provided for six regional governments and one central government (federal system)

1. **Highlight two types of Human Rights. (2mks**)
2. Economic Right
3. Political Right
4. Social –Cultural Rights
5. Solidarity Rights
6. **Give the main reason why the British were able to conquer Kenya during the 19th C. (1mk)**

* Millitary Superiority

1. **Give one reason why Africans were denied equal education opportunities with other races during the colonial period. (1mk)**
2. European aimed to produce and maintain a semi-skilled labour force for the colony.
3. Fear of competition from the educated Africans/racial discrimination/claim for their rights.
4. **Name one African Nationalist parties whose leaders attended the Lancaster House conference in London. (2mks)**
5. Kenya African National Union (KANU)
6. Kenya African Democratic Union (KADU)
7. **What was the main contributions of Thomas Joseph Mboya to the history of Kenya. (1mk)**

* He led/organized the trade Union movement.

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1. **Which organization is responsible for the co-ordination of parliamentary elections in Kenya. (1mk)**

* The Independent Electoral and Boundaries Commission (IEBC).

1. **Identify one Asian who took part in the struggle for independence in Kenya. (1mk)**

* A.M Jevanjee - P.O. Gama Pinto
* M.A Desai - Markhan Singh

**SECTION B. (45 MARKS)**

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

18**. a) Give the economic reasons why the cushites migrated from their original homeland into Kenya. (3mks)**

1. They were running away to look for better lands for farming thus there was drought in their place of origin.
2. They were running away due to cattle diseases which were interfering with their cattle keeping economic activity.
3. They were looking for green pasture and water for their livestock.

b) **Explain the results of the migration and settlement of the Eastern Bantu into Kenya by 1900 AD. (12mks)**

1. The incoming Bantu communities had iron weapons which enabled them to displace the communities they came into contact with e.g. Gumba
2. They inter-marrried with the neighbours.
3. Their settlement led to the expansion of trade between them and their neighbours
4. There was cultural exchange between the Bantu and their cultural and Nilotic neighbours.
5. Expansion of the Banjtu created pressure over land which led to conflicts and wars.
6. Adoptation of some agricultural practices by some communities from Bantu.

19**. a) State three reasons why the Oman rulers were interested in establishing their control over the Kenyan coast (3 mks)**

1. To expand their commercial empire
2. To establish political control over the Kenyan coast.
3. To assist in ending the Portuguese rule

b) **Explain why the Christians missionaries established mission stations in Kenya during the colonial period. (12mks)**

1. Mission stations were established to serve as centres for converting Africans.
2. To serve as centres where Africans would be taught basic literacy to enable them to read the bible.

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1. To teach Africans new methods of carpentry, farming and masonry.
2. To train African catechists who would facilitate the spread of Christianity.
3. To serve as centres where basic health care was provided to the Africans.
4. To use them as centres for the spread of European Western culture
5. To serve as settlements for the freed slaves and other displaced people.
6. Served as centres for the pacification of Africans/centres to promote European colonization.

20. a) **State three reasons why the British used imperial British East African Company to administer her possessions. (3mks)**

1. Absence of clear policy on the administration of colonial possessions.
2. Lack of enough funds as the colonies were not economically viable.
3. Lack of enough personnels
4. IBEAC had long experience/familiarity in the region

b) **Explain why Kenyan communities were defeated by the Europeans during the establishment of colonial rule (12mks)**

1. The African communities were not united
2. The communities had inferior weapons as compared to the superior British weapons
3. The African soldiers had little knowledge about the British military tactics.
4. Their population had been weakened by the diseases.
5. Their leaders lacked adequate organizational skills for mobilizing the people
6. British used treachery when dealing with some communities
7. Their economic base had been destroyed by the British thus making them weak.
8. The soldiers were demoralized when many worriors were captured.
9. The Uganda railway facilitated the faster movement of the British troops.

21. **a) Highlight three problems which the independent schools faced during the colonial period.**

i) Hostility from the government and missionaries

ii) Inadequate teachers

iii) Inadequate funds and facilities. **(3mks**)

b) **Explain various reasons why the maumau movement was able to last for a long time.**

**(12mks)**

1. Oath united people and this made them committed to the cause.

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1. Use of querilla warfare which made it difficult fot the British government to contain the rebellion,
2. The civilian population sustained rhe rebellion by supplying food, weapons, and information.
3. The movement was led by able leaders.
4. The Mt. Kenya nd Aberdare forests provided good hideouts for the Maumau fighters
5. The fighters were African ex-servicemen and they were therefore able to apply military experience they had gained during the world wars.

**SECTION C: (30MARKS)**

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

22. **a) Identify five elements of good citizen ship in Kenya. (5mks)**

1. Respect for other people //their property.
2. Obidience to the laws of the country.
3. Participatuion in democratic process/Electiral process
4. Partcipation in development projects
5. Being loyal/patriotic to ones country
6. Reporting the law breakers to the authorities.
7. Efficient use of national resources.
8. Practicing intergrity/honesty when performing duties.

b) **Explain different ways through which the education system in Kenya promotes national unity. (10mks)**

1. Use of one curriculum in all the public schools.
2. Use of one medium of instructions in schools which is English/Kiswahili
3. Centralised national examinations e.g. KCPE, KCSE
4. Centralised training and deployment of teachers
5. Existence of national schools that admit ther learners from parts of the country.
6. National drama nad music festivals that bring both students and teachers from all over the country together.
7. Teaching of History as a subject which emphasize on the importance of the national unity.

23. a) **State three ways in which direct democracy is exercised in Kenya. (3mks)**

1. Through a refurundum
2. Through prebiscite
3. Through popular people’s initiative
4. Exercising right to recall a non performing member of parliament.

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b) **Explain why the constitution is important in Kenya. (12mks)**

1. It defines the structure/outlines the functions and powers of various branches of government.
2. It clearly states the rights/responsibilities of individuals
3. It spells out the responsibilities of those in power
4. It ensures equality of all Kenyans.
5. It is the basis of all legistations in the country
6. It contains the Bill of rights which protects all Kenyan citizens.

24**. a) Give three ways in which a person may become a member of parliament in Kenya.**

**(3mks)**

1. Through election
2. Through nomination
3. Through holding ex-officio position as a speaker

b) **Why are parliamentary elections held regulary in Kenya. (12mks)**

1. In order to give the citizens, the opportunity to exercise constitutional right of participating in democratic process.
2. To give citizens that chance to choose leaders whom they have confidence in.
3. To enable people to give mandate to the party of their choice to rule.
4. To inject new blood into parliament and government.
5. To enable sitting MPs to be responsive to the development needs of the electorates.
6. As stipulated in the constitution.

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**HISTORY & GOVERNMENT**

**PAPER 2**

**JULY 2021**

**TIME: 2½ HOURS**

**FORM 3 END OF TERM THREE EVALUATION TEST 2021**

**(KENYA CERTIFICATE OF SECONDARY EDUCATION**

**INSTRUCTIONS TO CANDIDATES**

1. The paper consists of 24 questions.
2. Answer all questions in Section A.
3. Answer any three questions in Section B and any two questions in Section C

**FOR EXAMINERS USE ONLY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SECTION A** | **SECTION B** | | | | **SECTION C** | | | **TOTAL SCORE** |
| **1-17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |  |
|  |  |  |  |  |  |  |  |

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**SECTION A (25 MARKS)**

***Answer all questions in this section.***

1. State two features of a government. (2mks)
2. Give two contributions of archaeology to the study of history. (2mks
3. State the main reason why the period of early man is referred to as Stone Age. (1mk)
4. State one way through which the invention of writing favoured the development of early agriculture in Egypt. (1mk)
5. Name two strong kingdoms that emerged in West Africa as a result of Trans-Atlantic Trade. (2mks)
6. Give the main disadvantage of using canoes as a means of water transport. (1mk)
7. A part from scrolls, give one other material on which messages were written in ancient times. (1mk)
8. State two economic effects of the discovery of iron-making in Africa. (2mks)
9. Identify two reasons why trade union movements were formed in Europe in the 19th century. (2mks)
10. Give two symbols of authority in pre-colonial Buganda kingdom. (2mks)
11. Outline two factors that determine the form of a constitution. (2mks)
12. Identify one way in which militarism as a political factor contributed to the scramble for colonies in Africa. (1mk)
13. Mention two social factors that led to the African resistance during the colonial period. (2mks)
14. Give two reasons why SamoriToure’s second empire led to his downfall. (2mks)
15. State two reasons why the Africans in Tanganyika were against the use of Akidas by the German colonial administration. (2mks)
16. Give one method used by the French to administer their colonies in Africa. (1mk)
17. Name the proponent of Black Consciousness Movement of South Africa during the apartheid rule. (1mk)

**SECTION B (45 MARKS)**

***Answer any Three Questions from this section***

1. a) Give five uses of stone tools by the early man. (5mks)

b) Explain five reasons why Africa is regarded as the Original homeland of mankind. (10mks)

1. a) State five traditional forms of communication. (5mks)

b) Describe five advantages of using internet as a source of information on History and Government. (10mks)

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1. a) Identify three ways in which water was used in industries during the 18th century. (3mks)

b) Explain six social effects of the industrial revolution in Europe during the 18th century. (12mks)

1. a) Name three early urban centres in Africa. (3mks)

b) Describe six factors that caused decline of urban centres in pre-colonial Africa. (12mks)

**SECTION C: (30 MARKS)**

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

1. a) State three social factors for the rise and growth of the Asante Empire. (3mks)

b) Describe six roles played by the Lukiiko in the Buganda Kingdom. (12mks)

1. a) State five ways in which the people of southern Tanganyika resisted the German colonial rule. (5mks)

b) Explain five economic reasons for the scramble for colonies in Africa. (10mks)

1. a) Name the three types of nationalism in south Africa in the 20th Century. (3mks)

b) Explain six challenges faced by FRELIMO in fighting for Mozambican freedom.

(12mks)

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**311/2**

**HISTORY & GOVERNMENT**

**FORM 3**

**TIME: 2 HOURS 30 MINUTES**

**FORM 3 END OF TERM THREE EVALUATION TEST 2021**

**MARKING SCHEME**

**SECTION A (25 MARKS)**

1. **State two features of a government. (2mks)**

* Has rules
* Has sovereignity
* Letimacy from the subjects
* Has jurisdiction
* Law enforcement

(2 x 1 = 2mks)

1. **Give two contributions of archaeology to the study of living. (2mks)**

* It provides information on the origin of man.
* It provides information on the people’s way of life/culture of early man/through artefacts
* It helps people to locate historic sites
* It provides information on the chronological order of historical events/dating historical events.

(2 x 1 = 2mks)

1. **State the main reason why the period of early man is referred to as Stone Age. (1mk)**

* Stone was widely used to make tools and weapons. /the only raw material used.

(1 x 1 = 1mk)

1. **State one way through which the invention of writing favoured the development of early agriculture in Egypt. (1mk)**

* Enabled farmers to record agricultural produce

(1 x 1 = 1mk)

1. **Name two strong kingdoms that emerged in West Africa as a result of Trans-Atlantic Trade. (2mks)**

* Dahomey
* Asante
* Fante
* Oyo

(2 x 1 = 2mks)

1. **Give the main disadvantage of using canoes as a means of water transport. (1mk)**

* They were unstable, thus overtuned easily.

(1 x 1 = 1mk)

*Page 1 of 6 (F3 Hist. & Govt. P2 M/S)*

1. **A part from scrolls, give one other material on which messages were written in ancient times. (1mk)**

* Parchment
* Stone tablets

(1 x 1 = 1mk)

1. **State two economic effects of the discovery of iron-making in Africa. (2mks)**

* Improved agriculture as iron tools were used.
* Led to job specialization e.g. smithing
* Led to the development of trade
* Led to decline of other metals.
* Rise of urban centrese.g Axum, Cairo etc.

(2 x 1 = 2mks)

1. **Identify two reasons why trade union movements were formed in Europe in the 19th century. (2mks)**

* To demand for better working conditions of industrial workers
* To demand for their better pay.

(2 x 1 = 2mks)

1. **Give two symbols of authority in pre-colonial Buganda kingdom. (2mks**)

* The throne
* Royal drums
* Spears
* Stools

(2 x 1 = 2mks)

1. **Outline two factors that determine the form of a constitution. (2mks)**

* Historical background
* Religious beliefs of a people
* Racial composition
* Geographical factors

(2 x 1 = 2mks)

1. **Identify one way in which militarism as a political factor contributed to the scramble for colonies in Africa. (1mk)**

* Army officers urged their governments to look for colonies & fight colonial wars that could give them opportunities for promotion.
* Also wanted to fight colonial wars to have glory.

(1 x 1 = 1mk)

1. **Mention two social factors that led to the African resistance during the colonial period.(2mks)**

* Cultural interference by the Europeans.
* Inspiration by their religious leaders
* Muslims were opposed to Christianity.

(2 x 1 = 2mks)

1. **Give two reasons why SamoriToure’s second empire led to his downfall. (2mks)**

* It was far away from the Bure gold mines, making Samori lack revenue to sustain his army
* It was surrounded by his enemies on all sides/open to attacks.

*Page 2 of 6 (F3 Hist. & Govt. P2 M/S)*

* In it, Samori was at war with the communities that he had attacked in his expansion campaign.
* It was far from Freetown, where he used to buy fire arms.

(2 x 1 = 2mks)

1. **State two reasons why the Africans in Tanganyika were against the use of Akidas by the German colonial administration. (2mks)**

* Akidas were foreigners.
* They were brutal/harsh to the Africans e.g. whipping.
* They took Africans chance in administering their country.

(2 x 1 = 2mks)

1. **Give one method used by the French to administer their colonies in Africa. (1mk)**

* Assimilation
* Association

(1 x 1 = 1mk)

1. **Name the proponent of Black Consciousness Movement of South Africa during the apartheid rule. (1mk)**

* Steve Biko

(1 x 1 = 1mk)

**SECTION B (45 MARKS)**

***Answer any Three Questions from this section***

1. a**) Give five uses of stone tools by the early man. (5mks)**
2. Grinding seeds and grain
3. Skinning animals
4. Scrapping animal skins
5. Sharpening weapons
6. Digging roots
7. Cutting meat
8. Defence/security/protection
9. Hunting/killing animals (5 x 1)

b) **Explain five reasons why Africa is regarded as the Original of mankind. (10mks)**

1. Presence of many archeological sites
2. Africa has many permanent rivers
3. Good climate which favored human settlement in Africa.
4. The savanna grassland in Africa provided hunting grounds for early man.
5. Africa was at the centre of the Pangea and its from here that man migrated to other parts of the world.
6. The forests provided a possible shelter for early man.
7. a**) State five traditional forms of communication. (5mks)**
8. Drum beats
9. Horn Blowing
10. Massagers/runners
11. Fire & smoke signals

*Page 3 of 6 (F3 Hist. & Govt. P2 M/S*

1. Gestures
2. Flags

b) **Describe five advantages of using internet as a source of information in History and Government. (10mks)**

1. Has promoted efficiency of government operations in areas such as tax filling.
2. Has promoted education programs as information can be accessed online.
3. It has promoted trade as goods/services can be sold/bought online
4. Jobs/employment adverts /interviews can be made through internet hence minimizing time wastage.
5. It has enhanced communication as people send and receive messages online.
6. Has promoted research as it provides information on various fields.
7. Has enhanced quicker/faster communication
8. Has promoted/enhanced storage of information through use of drop box/cloud storage
9. It is used for entertainment
10. Has enhanced security systems e.g. C.C.TV.
11. a) **Identify three ways in which water was used in industries during the 18th century. (3mks)**

* To turn water wheels/grinding stones in flour mills.
* To wash/clean the machines
* To cool the machines
* To turn spinning machines in textile industries.
* To produce steam power to drive machines.

(3 x 1 = 3mks)

b) **Explain six social effects of the industrial revolution in Europe during the 18th century. (12mks**)

* Many people migrated to towns to look for jobs leading to overcrowding.
* Increased population in towns let to shortage of houses therefore resulting to the development of slums
* There was poor sanitation which made people to suffer from various diseases.
* The factories emitted pollutants into the air, water and land thus affecting in people health.
* Those who did not secure employment in the industrial towns engaged in crime and other social evils.
* Industrial revolution led to social stratification where the poor were discriminated by the rich.
* Women and children were exploited because they worked for long hours for little pay.
* Trade unions developed in order to fight for the rights of industrial workers to settle industrial disputes.
* Due to long working schedules, some industrial workers neglected their homes leading to family break ups.

(6 x 2 = 12mks)

1. a**) Name three early urban centres in Africa. (3mk**s)

* Cairo
* Meroe/Merowe
* Kilwa

(3 x 1 = 3mks)

*Page 4 of 6 (F3 Hist. & Govt. P2 M/S*

b**) Describe six factors that caused decline of urban centre in pre-colonial Africa. (12mks)**

* Collapse of trade which eventually denied them revenue.
* Outbreak of diseases which affected both people and livestock
* Stiff competition from other towns.
* Exhaustion of minerals like gold in Sofala.
* Change in transport routes as the new ones b-passed the old towns and diverted trade to other towns.
* Shortage of water/drought in some towns made people to migrate to other areas.
* European colonization of Africa which crushed some towns during wars of resistance.
* Wars of conquest also led to the collapse of some centres like Gedi.
* Collapse of state kingdoms e.g. Kush

(6 x 2 = 12mks)

**SECTION C: (30 MARKS)**

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

1. **a) State three social factors for the rise and growth of the Asante Empire. (3mks)**

* Bravery and pride of the Asante
* The Golden stool
* The Odwira festival

(3 x 1 = 3mks)

b) **Describe six roles played by the Lukiiko in the Buganda Kingdom. (12mks)**

* Advising the king/Kabaka on issues affecting the kingdom
* Acted as the final court of appeal.
* Helping the king in general administration of the kingdom
* Planning the expenditure/budget of the kingdom
* Took the people’s needs and concerns to the king.
* Making of laws
* Discussing important issues of the kingdom.

(6 x 2 = 12mks)

1. **a) State five ways in which the people of southern Tanganyika resisted the German colonial rule. (5mks)**

* They refused to pick cotton
* They uprooted German cotton.
* They attacked government posts/offices
* They attacked German officers
* They burnt down towns
* They attacked European farms and mission stations
* They killed the German Collaborators

( 5 x 1 = 5mks)

*Page 5 of 6 (F3 Hist. & Govt. P2 M/S*

b) **Explain five economic reasons for the scramble for colonies in Africa. (10mks)**

* The Europeans were looking for raw materials in Africa.
* They wanted to invest their surplus capital in Africa
* They wanted to get cheap labour for raw materials production in Africa.
* They wanted to get market for their finished goods in Africa.
* They speculated that Africa had minerals

(5 x 2 = 10mks)

1. **a) Name the three types of nationalism in south Africa in the 20th Century. (3mks)**

* Afrikaner/Boer/Dutch Nationalism
* AfricanNationalism
* British Nationalism

(3 x 1 = 3mks)

b) **Explain six challenges faced by FRELIMO in fighting for Mozambican freedom.(12mks)**

* Internal divisions due to ideological differences and selfishness of members.
* Competition from rival groups e.g. COREMO.
* Assassination of is president, Eduardo Mandlanedemoralized’ members.
* Shortage of basic needs e.g, food.
* The catholic church opposed it and termed it terrorist.
* The Portuguese were very cruel to the FRELIMO supporters e.g they massacred them.
* The south African and Zimbabwe colonialists assisted the Portuguese against the FRELIMO.

(6 x 2 = 12mks)

*Page 6 of 6 (F3 Hist. & Govt. P2 M/S*

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GEOGRAPHY

312/1

**FORM III**

MAY 2022

2 ¾ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**GEOGRAPHY PAPER 1**

**INSTRUCTIONS:**

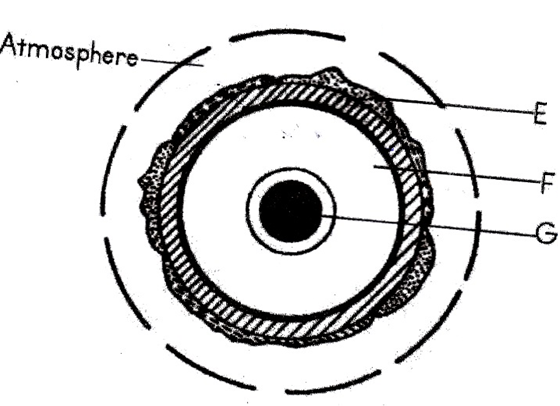
1. Write your name and Index number in the spaces provided above.
2. Sign and write the date of the examination in the space provided above.
3. This paper has two sections **A** and **B**
4. Answer all the questions in section **A**
5. Answer **question 6** and any other two questions from **section B**
6. All answers must be written in the answer booklet provided.
7. This paper consists of **11** printed pages
8. Candidates should check the question paper to ascertain that all the pages are printed as indicate and that no questions are missing.
9. Candidates should answer the questions in English.

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum** | **Candidate’s score** |
| **A** | **1-5** | **25** |  |
| **B** | **6** | **25** |  |
|  | **25** |  |
|  | **25** |  |
|  | | **Total score** |  |

*Page 1of 11 F3 Geo P1*

1. The diagram below represents the structure of the Earth. Use it to answer the questions that follows.



1. Name the;
2. Layers named E and F (2 mks)
3. Minerals that make up the layer marked G (1 mk)
4. Give two effects the rotation of the earth on its axis. (2mks)
5. a) What is an earthquake? (2mks)
6. Identify the scale used to measure
7. The intensity of earthquake (1mk)
8. The magnitude of the earthquake (1mk)
9. a) State three effects of fohn winds to the climate of the areas it blows to. (3mks)
10. What is meant by the term Inter-Tropical Convergence Zone (ITCZ)? (2mks)
11. Identify the type of rainfall associated with ITCZ (1mk)
12. a) Define the term Karst Scenery. (2mks)
13. Give three factors which influence formation of features in limestone areas. (3mks)
14. a) Give three physical causes of soil degeneration . (3mks)
15. State two uses of soils (2mks)

*Page 2 of 11 F3 Geo P1*

**SECTION B**

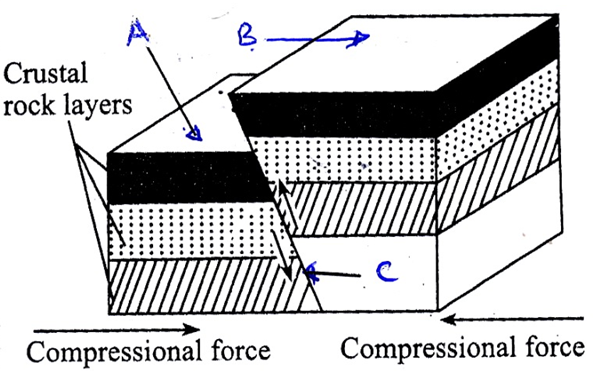
**Answer question 6 and any other two questions from this section**

1. a) Study the map of Kijabe 1:50,000 (sheet 134/3) provided and answer the following questions.
2. Give the approximate height of Kijabe hill. (2mks)
3. What is the direction of the air photo principal at grid square 2490 from the air photo principal at grid square 3393? (2mks)
4. Identify three physical features found at grid square 3299. (3mks)
5. i) Give six figure grid reference of the Trigonometric station SKP 209. (2mks)
6. Identify two types of settlements to the east of Easting 40. (2mks)
7. Describe the relief of the area covered by Kijabe map. (5mks)
8. Draw a rectangle measuring 12cm by 8cm to represent the area bounded by Easting 28 and 34 and Northing 90 and 94. (1mk)

On the rectangle mark and label the following features

* Power line
* All weather road (A104)
* Thicket
* River Upper Ewaso Kedong (4mks)

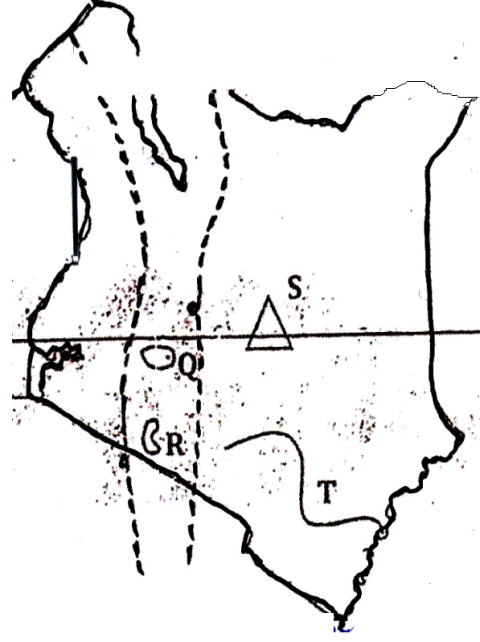
1. Citing evidence from the map, identify two social functions of Kinari (Kinali) centre. (4mks)
2. a) i) Define the term faulting (2mks)
3. The diagram below represents an area affected by faulting. Name the parts marked B and C (2mks)



1. i) With aid of well labeled diagram describe the formation of the Rift Valley by compressional forces. (7mks)
2. Apart from Rift Valley, list two features formed as a result of faulting. (2mks)
3. Explain three ways in which faulting may influence drainage of an area. (6mks)
4. Form Four students from Baricho High school wanted to carry out a field study on a faulted landscape.

*Page 3 of 11 F3 Geo P1*

1. Give two ways in which they prepared themselves for the study. (2mks)
2. Give two advantages of using direct observation as a method of collecting data. (2mks)
3. Identify two challenges they are likely to encounter during the study. (2mks)
4. a) i) Give three reasons way some lakes in Kenya have saline water. (3mks)
5. Use the map of Kenya below to answer the questions that follow

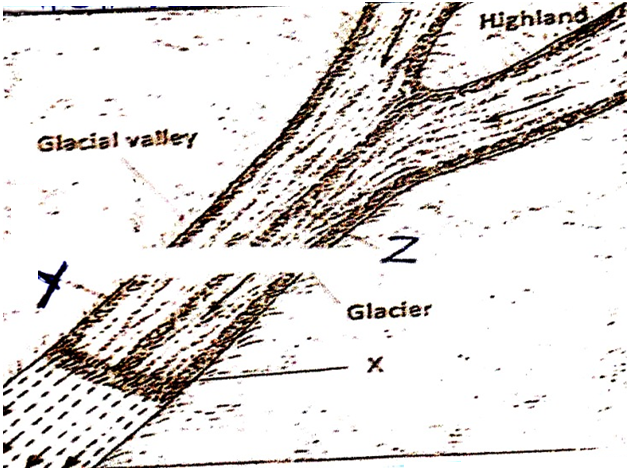


Name;

1. The lakes marked Q and R (2mks)
2. The river marked T (1mk)
3. Describe how the following lakes are formed.
4. Oasis (4mks)
5. Lagoon (4mks)
6. i) Give three ways in which lakes breeze influence the climate of the adjacent land. (3mks)
7. Apart from Lake Bogoria; name two lakes within the Rift Valley in Kenya that have high levels of salinity. (2mks)
8. Explain how each of the following have affected lakes in Kenya.
9. Industrialization (2mks)
10. Water needs (2mks)
11. Deforestation (2mks)
12. a) i) Differentiate between aridity and desertification. (2mks)
13. State two reasons why wind erosion is effective in hot deserts. (2mks)
14. Identify two processes of wind erosion in desert areas. (2mks)
15. Explain three factors influencing wind deposition in desert areas. (6mks)
16. i) Apart from Yardangs, name two other features that result from wind erosion in arid areas (2mks)

*Page 4 of 11 F3 Geo P1*

1. Describe the formation of a Yardang. (4mks)
2. You are planning to carry out field study on a semi-arid area in Kenya.
3. List two items you will carry for the study. (2mks)
4. What information would you collect through observation that shows the area is turning into desert. (3mks)
5. State two measures you would recommend to be put in place to control desertification in the area (2mks)
6. a) i) Distinguish between an ice sheet and an ice cap. (2mks)
7. Describe two ways through which ice moves. (4mks)
8. Study the diagram below showing features in a glaciated upland region. Use it to answer the questions that follows



1. Name the type of marines marked X, Y and Z . (3mks)
2. Describe the formation of an arête. (4mks)
3. Explain four positive effects of glaciations in lowland areas. (8mks)
4. Suppose students were to carry out a field study on glaciations on Mt.Kenya
5. Identify two methods you will use to record data apart from taking photographs (2mks)
6. Give the disadvantages of using photograph taking as a method of collecting data. (2mks)

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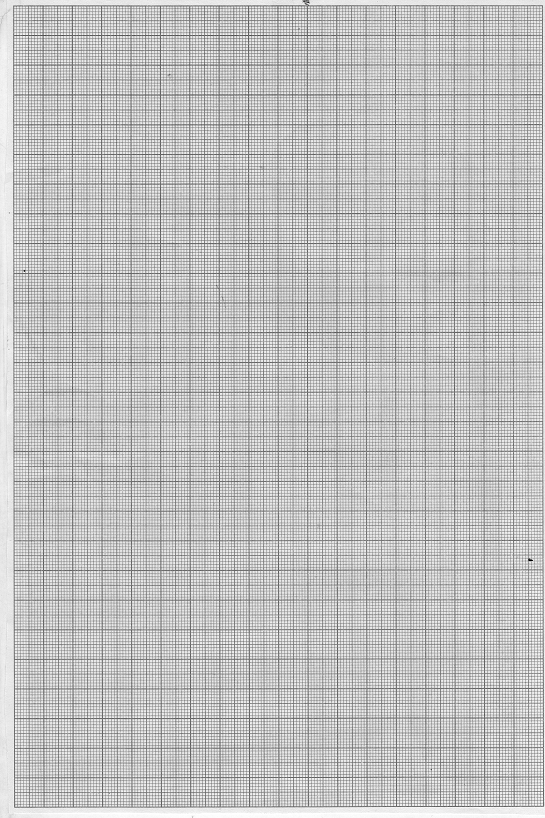
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GEOGRAPHY

312/1

**FORM 4**

JULY 2022

2 ¾ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**GEOGRAPHY PAPER 1**

**MARKING SCHEME**

1. ***The diagram below represents the structure of the Earth. Use it to answer the questions that follows.***
2. ***Name the;***
3. ***Layers named E and F (2 mks)***

E- Lithosphere/crust

F- mantle/astherosphere

1. ***Minerals that make up the layer marked G (1 mk)***

Iron and nickel

1. ***Give two effects the rotation of the earth on its axis. (2mks)***

* Causes occurrence of daily rise and fall of ocean tides (high and low tides)
* Causes the occurrence of day and night
* It causes a difference in one hour between two longitudes 150 apart/time difference between places on the earth surface.
* It causes defection of wind and ocean currents
* It causes difference in atmospheric pressure on the earth surface.

1. ***a) What is an earthquake? (2mks)***

* It is sudden and rapid earth movement that causes vibration of crustal rocks within the earth crust

1. ***Identify the scale used to measure***
2. ***The intensity of earthquake (1mk)***

Mercallis scale

Rossi-forrel scale

1. ***The magnitude of the earthquake (1mk)***

Ritchers scale

1. ***a) State three effects of fohn winds to the climate of the areas it blows to. (3mks)***

* Raises the temperatures
* It causes dry conditions
* Reduces the relative humidity of the place.

1. ***What is meant by the term Inter-Tropical Convergence Zone (ITCZ)? (2mks)***

It is a zone of low pressure where trade winds/N.E/S.E trade winds converge meet

1. ***Identify the type of rainfall associated with ITCZ (1mk)***

Convectional rainfall

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1. ***a) Define the term Karst Scenery. (2mks)***

* It is rugged landscape of chalk/limestone or dolomite rock made of surface and underground features formed by carbonation process

1. ***Give three factors which influence formation of features in limestone areas. (3mks)***

* The surface rocks must be thick limestone to allow solubility of rain water.
* Rocks should be hard and well jointed to allow water to percolate through lines of weakness.
* Climate should be hot and humid to facilitate chemical reaction/weathering/carbonation
* The water table should be far below the surface to allow further formation of features.

1. ***a) Give three physical causes of soil degeneration . (3mks)***

* Overgrazing that up the soil which makes them loose thus eroded easily.
* Poor cultivation methods like deep ploughing/overcultivation that loosens/compacts the soil.
* Heavy rainfall that causes excessive erosion.
* Drought that loosens and dries the soil which affects texture and structure.

1. ***State two uses of soils (2mks)***

* Some soils are sources of valuable minerals and industrial raw materials.
* Some soils are raw materials for making pottery, ceramics, tiles and bricks.
* Some soils are used in building and construction of houses, roads and bridges.
* Most soils provide a base for crop cultivation and growth of forests.
* Some soils are mixed with herbs for medicinal purposes and soil for income.
* Some soils have minerals that are used to make fertilizers e.g potach, phosphates etc.
* Some soils are used as cattle licks in livestock farming.
* Organic soils e.g. peat serves as fuel source.

**SECTION B**

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

1. ***a) Study the map of Kijabe 1:50,000 (sheet 134/3) provided and answer the following questions.***
2. ***Give the approximate height of Kijabe hill. (2mks)***

(2661-2679) metres – (should be one value between 2661 and 2679 not a range)

1. ***What is the direction of the air photo principal at grid square 2490 from the air photo principal at grid square 3393? (3mks)***

South West (SW)

1. ***Identify three physical features found at grid square 3299. (3mks)***

* Steep slope
* Gentle slope
* River/stream/spring
* River valley
* Woodland
* Scrub

1. ***i) Give six figure grid reference of the Trigonometric station SKP 209. (2mks)***

377939 (± 1 on either 3rd and 6th value)

1. ***Identify two types of settlements to the east of Easting 40. (2mks)***

* Linear – along road
* Sparse/scattered

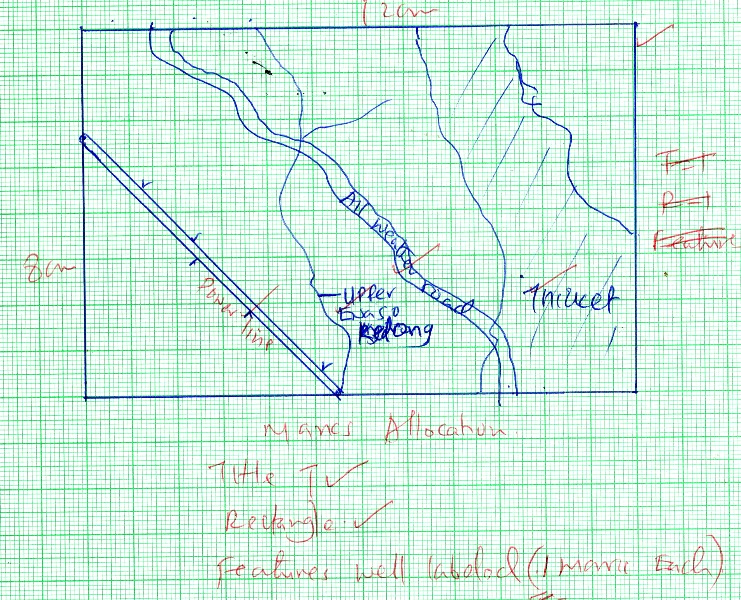
1. ***Describe the relief of the area covered by Kijabe map. (5mks)***

* They are gentle slopes at foot of escarpment/S.W part of the area.
* There is an escarpment at central part of the area.
* Area has few isolated hills e.g. Kijabe hill

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* There are many river valleys in the area
* There is a plateau/gentle sloping area immediately to the East of escarpment.
* There are steep slopes on the western side of Kijabe hill/there are steep slopes on the N.W part of the area.

1. ***A Rectangle bounded by Easting 28 and 34 and Northing 90 and 94. (1mk)***



***On the rectangle mark and label the following features***

* ***Power line***
* ***All weather road (A104)***
* ***Thicket***
* ***River Upper Ewaso Kedong (5mks)***

1. ***Citing evidence from the map, identify two social functions of Kinari (Kinali) centre. (4mks)***

|  |  |
| --- | --- |
| Function | Evidence |
| Educational centre | Schools |
| Health centre | Dispensary |
| Residential centre | Built up area |

***(Must mention the word centre to score)***

1. ***a) i) Define the term faulting (2mks)***

* The fracturing/breaking of the crustal rock layers due to tectonic forces

1. ***The diagram below represents an area affected by faulting. Name the parts marked B***

***and C (2mks)***

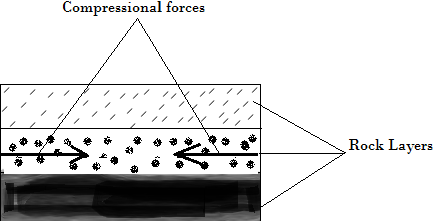
B- Upthrow

C- Fault

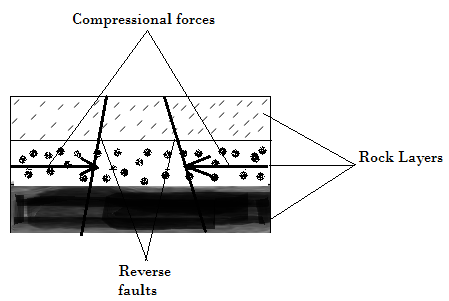
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1. ***i) With aid of well labeled diagram describe the formation of the Rift Valley by compressional forces. (7mks)***

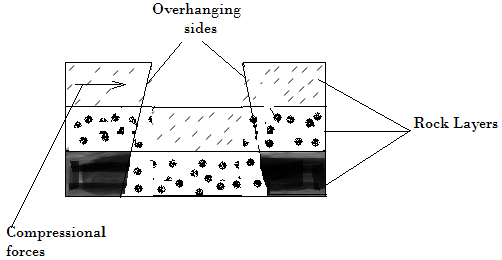
* Layers of rocks are subjected to compressional forces



Lines of weakness develop/two parallel reverse faults develop

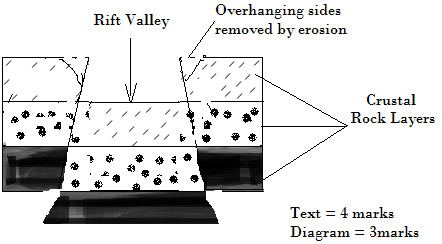


* The outer block are pushed over the middle block
* The middle block remains stable or slightly subsides



* The overhanging sides are worn away by denudation/collapse/eroded to form steep slopes/scarps thus leads to the form of an elongated depression called Rift Valley (must be mentioned to score full marks)

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ii) ***Apart from Rift Valley, list two features formed as a result of faulting. (2mks)***

* Fault scarps/Escarpments
* Fault steps
* Fault block/tilt block
* Block mountains/horsts

1. ***Explain three ways in which faulting may influence drainage of an area. (6mks)***

* Faulting across a river valley may change direction and make river flow along the fault line forming fault guided drainage.
* Vertical faulting may expose water table to form springs at the foot to the scarp slope
* Faulting across a river valley may make a river disappear underground forming underground stream.
* Due to uplifting and tilting of land caused by faulting some rivers reverse their direction of flow forming a back tilted pattern.
* Rift faulting forms depression/basins which may be filled with water to form lakes.
* Vertical faulting across a river may form waterfall on the escarpment.

1. ***Form Four students from Baricho High school wanted to carry out a field study on a faulted landscape.***
2. ***Give two ways in which they prepared themselves for the study. (2mks)***

* Seeking permission from school administration
* Reading and discussing more about topic.
* Setting objectives/hypothesis
* Decide on method of data collecting/recording data
* Preparing questionnaires
* Selecting the relevant materials and equipments needed for the study.
* Getting route map
* Drawing a working schedule
* Divide the class into groups
* Conduct a previsit/recconnasence study

1. ***Give two advantages of using direct observation as a method of collecting data. (2mks)***

* Gives first hand/reliable information
* Collects relevant answer/up-to-date data
* Saves on time
* Enhances memory
* Encourages participation of all members
* Helps collect data that’s not found in books

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1. ***Identify two challenges they are likely to encounter during the study. (2mks)***

* Attack by wild animals such as snakes/insect bites
* Advance weather conditions e.g. heavy rainfall, fog in windward slopes block mountains
* Rugged terrain/steep slopes may make movement difficult.
* Tiredness/fatigue due to walking for long distances/climbing steep slopes
* Injuries from thorns/twigs/from injuries by sharp rocks

1. ***a) i) Give three reasons way some lakes in Kenya have saline water. (3mks)***

* Absence of surface/underground outlets to drain away excess salts.
* Some lakes have salt bearing rock on lake bed
* High temperatures in the surrounding area lead to high evaporation, hence lakes loss water and retain more minerals making them salty
* Heavy deposition of minerals into the lake by surface runoff/rivers flowing on acidic rocks making lakes saline.
* Underground and seepage of water i.e. rocks in mineral salts.

1. ***Use the map of Kenya below to answer the questions that follow***

***Name;***

***The lakes marked Q and R (2mks)***

Q – Lake Nakuru

R – L. Magadi

***The river marked T (1mk)***

T – River Galana/Athi/Sabaki

1. ***Describe how the following lakes are formed.***
2. ***Oasis (4mks)***

* Pre-existing depression formed through faulting/otherwise to wind erosion
* Wind eddies removes unconsolidated materials through deflation.
* Wind erosion/deflation/weathering deepens/widens/enlarge the depression
* Further abrasion/deflation leads to the depression reaching water table.
* Water oozes out of the ground and collects into the depression to form a lake called oasis (must be mentioned to score full marks)

1. ***Lagoon (4mks)***

* The waves eroded the coastal rocks to produce sand/shingles
* Sand/shingles are removed by the longshore drift and deposited at the entrance of the bay
* The deposits accumulate to form a spit/sand bar or ridge linking the two headlands/blocking the mouth of the bay forming a bay bar.
* The bay bar separated parts of the sea water from the open sea.
* The enclosed sea water is the lagoon (must be mentioned to score full marks)

1. ***i) Give three ways in which lakes breeze influence the climate of the adjacent land. (3mks)***

* Lowers the temperature of the adjacent land during the day
* Increases rainfall of the adjacent land
* It increases the humidity of the adjacent land
* Moderates the diurnal range of temperatures
* Leads to convectional rainfall

1. ***Apart from Lake Bogoria; name two lakes within the Rift Valley in Kenya that have high levels of salinity. (2mks)***

* Lake Magadi
* Lake Nakuru
* Lake Elemenetaita

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1. ***Explain how each of the following have affected lakes in Kenya.***
2. ***Industrialization (2mks)***

* Establishment of industries has led to disposal of waste/pollution/contamination of lakes.
* Establishment of industries has led to increase in water use which has lowered water levels

1. ***Water needs (2mks)***

* Water diverted into farms for irrigation leads to lowering of water levels in lakes.
* Over use of water for industrial process leads to lowering of water levels in lakes.

1. ***Deforestation (2mks)***

* It exposes soil which is eroded and carried into the lakes causing siltation.
* It destroys catchment area which reduces water fed into lakes.

1. ***a) i) Differentiate between aridity and desertification. (2mks)***

* Aridity is the state of land being deficient of moisture leading to scarcity of vegetation and soil fertility while desertification is the encroachment of large areas of barren land covered with sand.

1. ***State two reasons why wind erosion is effective in hot deserts. (2mks)***

* Scanty or no vegetation cover which exposes land to wind erosion.
* Strong tropical winds/storms that occurs in desert erodes loose rock materials.
* Presence of dry and loose unconsolidated rock materials.

1. ***Identify two processes of wind erosion in desert areas. (2mks)***

* Deflation
* Abrasion

1. ***Explain three factors influencing wind deposition in desert areas. (2mks)***

* Obstacles on desert surfaces: they block wind and reduce its speed leading to deposition of load behind/around the obstacles.
* Strength of wind; very strong winds erode and carry a lot of rock materials
* Reduced wind speed leads to deposition of materials
* Cross winds interrupts prevailing winds leading to deposition.
* Amount of/weight of the load carried; particles within a large and heavy load carried by wind collide and drop to the ground leading to deposition.
* Variations in weather conditions; sudden showers wash down suspend rock particles thus reducing transportation leading to deposition.
* Nature of desert surface; A moist/wet desert surface trap rock particles have reducing transportation leading to deposition. Bare surface without obstacles encourage more transportation and reduced deposition.

1. ***i) Apart from Yardangs, name two other features that result from wind erosion in arid areas (2mks)***

* Rock pedestals
* Mushroom blocks
* Zeugens
* Deflation hollows/blowout/pans
* Oasis
* Ventifacts/dreinkanters
* Millet seed/sand grains

1. ***Describe the formation of a Yardang. (4mks)***

* Desert surface has alternating hard and soft rock layers that stands vertically.
* The layers lie parallel to the direction of prevailing winds

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* Wind abrasion erodes faster on soft layers than on hard layers.
* Deflation removes the broken rock particles on the soft layers to form deep furrows.
* Hard layers are left standing in form of ridges that separates the furrows. This leads to formation of a landscape of furrows separated by ridges called yardangs. (must be mentioned to score maximum marks)

1. ***You are planning to carry out field study on a semi-arid area in Kenya.***
2. ***List two items you will carry for the study. (2mks)***

* Umbrellas
* Note books
* Pens/pencils
* cameras

1. ***What information would you collect through observation that shows the area is turning into desert. (3mks)***

* Sparse settlements
* Stunted trees/tuff of grass
* Sparse vegetation/large patterns of bare soil
* Dust storms/sand storms
* Evidence or wind erosion
* Presence of drought resistant crops

1. ***State two measures you would recommend to be put in place to control desertification in the area (2mks)***

* Planting trees
* Controlling overgrazing
* Avoid bush fires
* Control cutting of trees
* Practicing appropriate methods of cultivation/control farming/mulching/irrigation

1. ***a) i) Distinguish between an ice sheet and an ice cap. (2 mks)***

* Ice sheet is a large and continuous mass of ice which covers vast areas of a land while ice cap is a small mass of continental glacier that covers plateaus and high altitude areas.

1. ***Describe two ways through which ice moves.***

* Basal slip; weight of ice exerts pressure on the lower layers which melts causing ice to move/slide over the underlying rocks under influence of gravity.
* Plastic flowage; the weight of ice exerts pressure on the lower layers leading to slight melting of ice and eventually moving as viscous mass.
* Internal shearing; The differential sliding of ice along planes caused by great down slope pressure

1. ***Study the diagram below showing features in a glaciated upland region. Use it to answer the questions that follows***
2. ***Name the type of marines marked X, Y and Z (3mks)***

X = Terminal moraine

Y = Medial moraine

Z = Lateral moraine

1. ***Describe the formation of an arête. (4mks)***

* Snow accumulates in two adjacent pre-existing shallow depressions on a mountain side
* The snow accumulates and are compacted into ice

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* Freeze and thaw action act on the depression causing deepening of the depression.
* More ice accumulates in the depression
* The ice moves downslope and erodes through plucking and abrasion on adjacent cirques
* Further plucking of the back walls leads to back wall recession of the cirques
* Eventually a steep knife-edged ridge separating adjacent cirques is formed called and arête ***(must be mentioned to score maximum marks)***

1. ***Explain four positive effects of glaciations in lowland areas. (8mks)***

* Glacial lakes/some features found in lowland areas can be exploited for fishing/transportation/irrigation (or any other economic activities)
* Some hill plains and glacial hills provides fertile soils which are suitable for arable farming
* Ice sheets in their sconning effects reduce surface which many expose minerals making them easy to extract.
* Some outwash plains comprise of sand and gravel which are used as building materials thus promoting the industry
* Glaciations forms magnificent features such as drumlins and eskers which are tourist attraction thus earning a country foreign exchange
* Glaciated lowlands are generally flat and ideal for establishment of settlements and development of transportation and communication networks.

1. ***Suppose students were to carry out a field study on glaciations on Mt.Kenya***
2. ***Identify two methods they will use to record data apart from taking photographs (2mks)***

* Sketching maps
* Audio/video recording
* Taking notes
* Labeling samples
* Filling in questionnaires
* Tabulation

1. ***Give the disadvantages of using photograph taking as a method of collecting data. (2mks)***

* Cameras are expensive to acquire.
* Printing photographs is expensive

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NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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GEOGRAPHY

312/2

**FORM 4**

MAY 2022

2 ¾ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**GEOGRAPHY PAPER 2**

**INSTRUCTIONS:**

1. Write your name and Index number in the spaces provided above.
2. This paper has two sections **A** and **B**
3. Answer all the questions in section **A**
4. Answer **question 6** and any other two questions from **section B**
5. Candidates should answer the questions in English.

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum** | **Candidate’s score** |
| **A** | **1-5** | **25** |  |
| **B** | **6** | **25** |  |
| **Opt 1** | **25** |  |
| **Opt 2** | **25** |  |
|  | | **Total score** |  |

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**SECTION A**

1. a) What is environment? (2mks)
2. Name three factors that influence the occurrence of minerals. (3mks)
3. a) Define the term photograph. (2mks)
4. Name the three main parts of a photograph. (3mks)
5. a) Differentiate between afforestation and reaforestation. (2mks)
6. Name two forest reserved found in Kenya. (2mks)
7. a) Name two main horticultural crops grown in Kenya. (2mks)
8. State four reasons why green houses are favoured in growing of flowers. (4mks)
9. a) State five physical conditions required for the growing of tea in Kenya. (5mks)

**SECTION B**

1. Study the data provided below and answer the questions that follow.

Livestock population (000) in East Africa, 1999.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Country** | **Cattle** | **Sheep** | **Goat** | **Chicken** | **Total** |
| Kenya | 13392 | 5800 | 7600 | 30000 | 56792 |
| Ethiopia | 35095 | 22000 | 16950 | 55400 | 129445 |
| Tanzania | 14350 | 4150 | 9900 | 28000 | 56400 |
| Uganda | 5700 | 1970 | 3650 | 23000 | 34320 |

a) i) What is the difference in numbers of cattle between Ethiopia and Kenya? (2mks)

1. Calculate the percentage of cattle in Uganda livestock population in 1999. (2mks)
2. i) Draw a divided rectangle of length 15cm to represent Kenyan livestock population in 1999. (8mks)
3. Apart from divided rectangle, name two other statistical methods that can be used to represent

the data. (2mks)

1. Name three exotic breed of cattle reared in Kenya to improve beef farming. (3mks)
2. Explain four measures taken by the government of Kenya to improve beef farming. (8mks)
3. a) What is a by-product? (2mks)

*Page 2 of 10 F3 Geo P2*

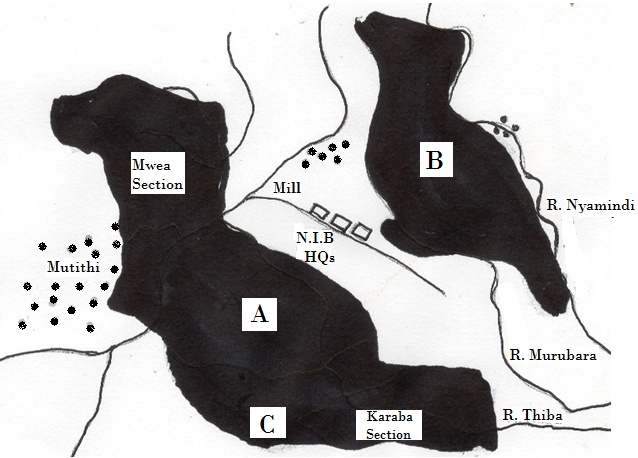
1. Explain how the following factors influence the exploitation of minerals.
2. Transport (2mks)
3. The quality of the ore. (2mks)
4. i) Describe the deep-shaft method of mining (5mks)
5. Explain three effects of open-cast mining on the environment. (6mks)
6. Explain four ways in which gold mining has contributed to the economy of South Africa. (8mks)
7. a) i) What is a forest? (2mks)
8. Explain how the named factors influence the distribution of forest in Kenya.

Soil (2mks)

Topography (2mks)

1. i) Name two exotic species of trees planted in Kenya. (2mks)
2. Give four reasons why agro-forestry is encouraged in Kenya. (4mks)
3. List five characteristics of planted forests in Kenya. (5mks)
4. Explain four measures being taken by the government of Kenya control human encroachment on forested areas. (8mks)
5. a) i) Name two counties in Kenya where maize is grown on large scale. (2mks)
6. State three physical conditions that favour maize farming in Kenya. (3mks)
7. i) Give three uses of maize. (3mks)
8. Outline three similarities of wheat farming in Canada and Kenya.
9. Explain four problems that affect wheat farming in Canada. (8mks)
10. You plan to carry out field study in a wheat farm.
11. Give three reasons why you need a route map. (3mks)
12. State three methods that the class may used to collect data. (3mks)
13. a) i) Differentiate between land reclamation and land rehabilitation. (2mks)
14. State four physical factors that made Mwea a suitable location for an irrigation scheme. (4mks)
15. The diagram below show the main blocks of Mwea Tebere Irrigation Scheme. Name the blocks marked A, B, and C (3mks)

*Page3 of 10 F3 Geo P2*



1. i) Apart from irrigation, give five methods of land reclamation in Kenya. (5mks)
2. Name three crops grown in Perkerra irrigation scheme. (3mks)
3. Explain four ways in which the Zuyder Zee project benefits the Netherlands. (8mks)

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GEOGRAPHY

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**FORM 4**

JULY 2022

2 ¾ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**GEOGRAPHY PAPER 2**

***MARKING SCHEME***

1. ***a) What is environment? (2mks)***

All external conditions surrounding an organism and which influence its behavours

1. ***Name three factors that influence the occurrence of minerals. (3mks)***

* Evaporation
* Volcanicity
* Metamorphism
* Deposition

1. ***a) Define the term photograph. (2mks)***

It is an image of an object, person or scene in a form of a print or slide recorded by a camera on a film and later transferred onto a specially prepared paper.

1. ***Name the three main parts of a photograph. (3mks)***

* Foreground
* Middle ground
* Back ground

1. ***a) Differentiate between afforestation and reaforestation. (2mks)***

Afforestation is the practice of planting trees where non existed while reafforestation is the planting of trees in an area where trees were destroyed by human activities/animals.

1. ***Name two forest reserved found in Kenya. (2mks)***

* Kakamega forest
* Mt. Kenya forest
* Shimba hills
* Arabuka sokoke
* Taita hills forest

1. ***a) Name two main horticultural crops grown in Kenya. (2mks)***

* fruits
* vegetables
* flowers

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1. ***State four reasons why green houses are favoured in growing of flowers. (4mks)***

* The plants do not suffer the effect of excessive rainfall
* The spread of pest and diseases is easily controlled in green houses.
* It is easier to control the amount of moisture required by plants hence economical.
* It is easy to control weeds since a confined area is used.
* Plants are protected from the damaging effects of strong winds.

1. ***a) State five physical conditions required for the growing of tea in Kenya. (5mks)***

* high rainfall 1000m – 2000m per year.
* Well distributed rainfall throughout the year.
* Deep light and well drain soils
* Gently sloping land.
* High altitude 1000m-2300m above the sea level.
* Cool/warm climate condition 100c to 280c throughout the year.
* Acidic/volcanic soils for the growth of tea.

1. ***Study the data provided below and answer the questions that follow.***

***Livestock population (000) in East Africa, 1999.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Country*** | ***Cattle*** | ***Sheep*** | ***Goat*** | ***Chicken*** | ***Total*** |
| ***Kenya*** | ***13392*** | ***5800*** | ***7600*** | ***30000*** | ***56792*** |
| ***Ethiopia*** | ***35095*** | ***22000*** | ***16950*** | ***55400*** | ***129445*** |
| ***Tanzania*** | ***14350*** | ***4150*** | ***9900*** | ***28000*** | ***56400*** |
| ***Uganda*** | ***5700*** | ***1970*** | ***3650*** | ***23000*** | ***34320*** |

***a) i) What is the difference in numbers of cattle between Ethiopia and Kenya? (2mks)***

35095-13392=21703000

1. ***Calculate the percentage of cattle in Uganda livestock population in 1999. (2mks)***

**x100 = 16.6%**

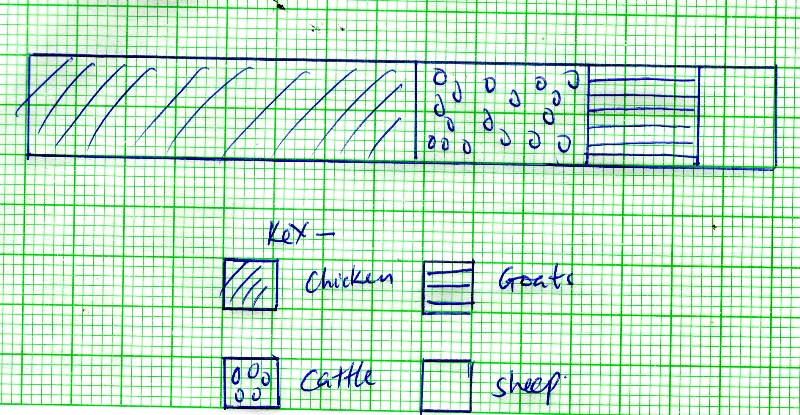
1. ***i) Draw a divided rectangle of length 15cm to represent Kenyan livestock population in 1999. (7mks)***

Cattle = x15 = 3.53cm Goat = x 15 = 2.01cm

Sheep = x 15 = 1.53cm Chicken = x 15 = 7.92cm

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A divided rectangle showing Kenyan livestock population in 1999



1. ***Apart from divided rectangle, name two other statistical methods that can be used to represent***

***the data. (2mks)***

* Compound bar graph
* Comparative bar graph
* Comparative line graph
* Divided circles

1. ***Name three erotic breed of cattle reared in Kenya to improve beef farming. (3mks)***

* Aberdeen Angus
* Charolais
* Short horn
* Hereford
* Red Angus
* Galloway

1. ***Explain four measures taken by the government of Kenya to improve beef farming. (8mks)***

* The government encourage research/cross-breeding of traditional cattle breeds with exotic to improve the quality of animals
* The government has sunk bore hole to provide water for animals
* It has revived KMC a government parastatal that buys animals from farmers for slaughter
* It has constructed roads to make services accessible to farmers/transportation of animals to markets easier.
* It strengthens community education to teach beef farmers better livestock management

1. ***a) What is a by-product? (2mks)***

it is the secondary product obtained during the processing of some materials e.g. bitumen wax sulphur from crude oil.

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1. ***Explain how the following factors influence the exploitation of minerals.***
2. ***Transport (2mks)***

* Efficient transport links allow mineral products to be moved from the mining site to the market without delay.
* Minerals that are bulky require railway/cheap transport to reduce the cost of production.
* Mineral deposits in remote areas are less likely to be exploited.

1. ***The quality of the ore. (2mks)***

* If the quality of the ore is high, it is economical to extract it as it yields a high amount of mineral.
* Low quality ores are rarely extracted because their metal content is very low and there fore uneconomical.

1. ***i) Describe the deep-shaft method of mining (5mks)***

* A vertical shaft is sunk to reach the mineral seams.
* Horizontal tunnels are dug from the shaft to reach the mineral bearing rock
* Props are erected to support the roof of the horizontal tunnels.
* The rock ore is blasted with explosives or dug out using mechanized shovels and pickaxes
* Ore is transported on light rail tracks on conveyor belts to the base of the shaft.
* The ore is then loaded onto a lift or cage for hoisting onto the surface.

1. ***Explain three effects of open-cast mining on the environment. (6mks)***

* The dust produced during mining pollutes the atmosphere and is a health hazard causing respiratory diseases.
* Clearing of land before extraction of minerals encourage soil erosion.
* The heaps of waste rock hinder any other form of land use and create a landscape that is expensive to rehabilitate.
* The land is left with gaping quarries which are ugly and interfere with the natural beauty of the landscape.
* Large-scale blasting of rocks leads to lustability of the basement rocks.
* Water collects in the hollows left by open cast mine creating ponds which become habitat for disease vectors e.g. mosquitoes

1. ***Explain four ways in which gold mining has contributed to the economy of South Africa. (8mks)***

* Gold mining has led to the expansion of transport and communication line.
* Gold is used as a medium of exchange in the world market to pay international debt.
* Gold is highly priced, thus it earns foreign exchange to the government used to improve other sectors of the economy.
* Gold mining has led to the development of towns in the Rand and the Orange Free state creating a large demand for agricultural produce.

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* Gold mining industry has generated employment opportunity which raises the living standard of the people.
* Gold provide raw materials for industries that make jewellery and other highly valued items thus promoting industrial expansion.

1. ***a) i) What is a forest. (2mks)***

A forest is a continuous growth of trees of varying heights and undergrowths covering a large area of land.

1. ***Explain how the named factors influence the distribution of forest in Kenya. (2mks)***

***Soil (2mks)***

* Deep soils support greater tree growth while thin soils do not.
* Forests do well where soils are deep and the necessary climatic conditions prevails

***Topography (2mks)***

* Forests do not grow on steep mountains where the surface is bare rock, the soils are thin and temperatures are low.
* Windward slopes of high mountains like Kenya receives higher rainfall amount and therefore are forested.

1. ***i) Name two exotic species of trees planted in Kenya. (2mks)***

* Pine
* Cypress
* Kei apple
* Eucalyptus
* Ceder
* wattle

1. ***Give four reasons why agro-forestry is encouraged in Kenya. (4mks)***

* Trees ensure continuous supply of wood fuel.
* Some trees provide raw material for industries.
* To conserve soil
* Some trees provide fodder for animals
* Some trees provide fruits for human consumption
* Trees act as windbreaks

1. ***List five characteristics of planted forests in Kenya. (5mks)***

* The trees species occur in pure stands.
* Trees appear in rows
* Trees appear in blocks/same height
* Both exotic and indigenous trees are grown

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* The trees species are mainly softwood.
* There is little or no undergrowth

1. ***Explain four measures being taken by the government of Kenya control human encroachment on forested areas. (8mks)***

* The government is gazetting forest areas to delimit the areas and reduce encroachment on forested areas.
* It is encouraging people to practice agro-forestry to avoid dependence on products form forest.
* The government is also fencing off forested areas to keep away any intruder into the forest.
* The government is encouraging people to use other source of energy in order to reduce the demand for wood fuel.
* The government is enacting laws to prohibit cutting of trees within the gazetted areas.
* Evicting people who have encroached forested area.
* Educating the public on importance of conserving forest.

1. ***a) i) Name two counties in Kenya where maize is grown on large scale. (2mks)***

* Nakuru
* Bungoma
* Uasin Gishu
* Trans Nzoia

1. ***State three physical conditions that favour maize farming in Kenya. (3mks)***

* Warm temperatures of between 150c and 300c.
* Moderate and high rainfall for the growth of maize
* Undulating landscape for mechanization
* Well drained light loam soils for the growth of maize

1. ***i) Give three uses of maize. (3mks)***

* The grains are ground to produce maize flour and it is also consumed as a food grain
* The stalks, leaves and other remains from maize cobs are used to feed domestic animals.
* The stalks and cobs are used as domestic fuel.
* The grains are used in the manufacture of corn oil

1. ***Outline three similarities of wheat farming in Canada and Kenya.***

* In both countries there is mechanization of wheat farming in sowing and harvesting.
* Wheat farming in both countries is favoured by a dry sunny spell for harvesting.
* In both countries wheat is grown by large scale farmers.
* Farmers in both countries experience the problem of diseases in wheat farming e.g. spot.
* In both countries wheat is grown in areas with gently sloping terrain

1. ***Explain four problems that affect wheat farming in Canada. (8mks)***

* Fluctuation in world prices of wheat has led to farmers being uncertain about their earning hence

Page 6 Geo P2

turning to growing of crops with better earning.

* The soils have become exhausted due to long use lowering quality yield.
* Occurrence of drought/hail/prolonged winters have destroyed wheat leading to lower yield.
* Canada faces competition from other wheat producing countries which has reduced the market for her produce.
* The frozen water ways in winter hinder accessibility to the market.

1. ***You plan to carry out field study in a wheat farm. (3mks)***
2. ***Give three reasons why you need a route map.***

* To show the direction to be followed during the study
* To assist in estimating the time required for the study.
* To help in deciding the technique of data collection.
* To help in drawing up a work schedule.
* To help in estimation of distance to be covered during the study.

1. ***State three methods that the class may used to collect data. (3mks)***

* Content analysis
* Photographing
* Observation
* Interviewing the farm manager

1. ***a) i) Differentiate between land reclamation and land rehabilitation. (2mks)***

Land reclamation is the practice of bringing formerly unproductive wasteland into productive use such as agriculture while land rehabilitation is the process of restoring land to its farmer productive state.

1. ***State four physical factors that made Mwea a suitable location for an irrigation scheme. (4mks)***

* The black cotton/clay soils found in the area are suitable for irrigation because they retain water/suitable for rice cultivation.
* Availability of extensive land for future expansion.
* The unreliable and inadequate rainfall received in the area makes it necessary for irrigation to be practiced.
* The presence of permanent river Thiba, Nyamindi and Murubara provide regular and abundant water for irrigation.
* The gently sloping land enable water to reach the farms through gravity flow.

1. ***The diagram below show the main blocks of Mwea Tebere Irrigation Scheme. Name the blocks marked A, B, and C (3mks)***

* Thiba section
* Tebere section
* Wamumu section

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1. ***i) Apart from irrigation, give five methods of land reclamation in Kenya. (5mks)***

* Drainage of marshy area
* Through pest control e.g tsetse fly
* Afforestation programme
* Building of dams and gabions to reduce the effects of erosion
* Improving soil through use of humus
* Introducing drought resistant crops

1. ***Name three crops grown in Perkerra irrigation scheme. (3mks)***

* Seed maize
* Paw paw
* Chillies
* Water melons

1. ***Explain four ways in which the Zuyder Zee project benefits the Netherlands. (8mks)***

* Lake yssel provided fresh water to the province of North Holland and used for irrigation/domestic use.
* The construction of roads connecting North Holland and Friesland province has shortened distances.
* Improved drainage system thus reducing flooding through dykes, canals, ditch and pumping stations
* Dam constructed shortened road between the province of North Holland and Friesland.
* Lowering degree of salinity in the pulder by fresh water lake from lake yssel thus promoting cultivation of crops and rearing of animals.

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NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCHOOL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ADM. NO. \_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS \_\_\_\_\_\_\_\_\_\_

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CHRISTIAN RELIGIOUS EDUCATION

313/1

**FORM 4**

MAY 2022

2 ½ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**C.R.E PAPER 1**

**INSTRUCTIONS**

1. Write your name in the space provided above
2. Sign and write the date of examination in the spaces provided
3. The paper consists of six questions.
4. Answer any five questions in spaces provided
5. Each question carries 20 marks
6. Students should check the question paper to ascertain that all the pages are printed as indicated and that no question are missing.

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Question | 1 | 2 | 3 | 4 | 5 | Total |
| Marks |  |  |  |  |  |  |

*Page 1 of 8 F3 C.R.E. P1*

1. a) State the benefits of learning Christian Religious Education in Secondary Schools in Kenya. (7mks)
2. Identify seven responsibilities given to human beings by God in Biblical creation stories. (7mks)
3. How does the church help to bring back members who have fallen from the faith. (6mks)
4. a) Describe how God prepared the Israelites for the making of the covenant at Mt. Sinai (Exodus 19) (8mks)
5. Give five ways in which God prepared Moses to be the future leader of the Israelites. (5mks)
6. Identify seven forms of worship that were practiced by Israelites in the wilderness which are found in Christian worship today. (7mks)
7. a) Outline seven failures of King Saul. (7mks)
8. Give six conditions that made it difficult for prophet Elijah to stop idolatry in Israel. (6mks)
9. State ways in which Christians in Kenya demonstrate their faith in God. (7mks)
10. a) Give seven characteristics of true prophets in the Old Testament. (7maks
11. Outline the teaching of Prophet Amos on the Day of the Lord. (8mks)
12. Give five obstacles the church is facing in trying to curb injustices in Kenya today. (5mks)
13. a) Outline the content of Jeremiah’s letter to the exiles in Babylon. (7mks)
14. In what ways did prophet Jeremiah suffer while carrying out his work in Judah. (7mks)
15. Give six ways in which Christians can assist victims of disaster. (6mks)
16. a) Outline eight rituals performed during the birth of a baby in traditional African community. (8mks)
17. State five roles of a midwife in the traditional African community. (5mks)
18. Why is the church in Kenya opposed to the practice of wife inheritance? (7mks)

*Page 2 of 8 F3 C.R.E. P1*

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CHRISTIAN RELIGIOUS EDUCATION

313/1

**FORM 4**

MAY 2022

2 ½ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**C.R.E PAPER 1**

**MARKING SCHEME**

1. ***a) State the benefits of learning Christian Religious Education in Secondary Schools in Kenya. (7mks)***
2. It equips the learner with an understanding of God/Spiritual growth
3. The learner acquires life skills to handle challenges in life.
4. It helps one to respect his/her own religion and other people’s religious beliefs/cultural.
5. It helps one to acquire basic principles/teaching for Christian living/moral values.
6. It enables one to understand how to relate with other people/national unity.
7. It gives answers to questions/mysteries of life/metaphorical.
8. It explains the origin/purpose of human beings on earth.
9. It leads to employment/career.
10. ***Identify seven responsibilities given to human beings by God in Biblical creation stories. (7mks)***
11. Human beings are to till/cultivate the land.
12. To guard/protect the land/conserve/care for the land/keep it.
13. They should procreate/have children/fill the earth/multiply.
14. To be in charge of the fish/birds/animals/care of creation.
15. To give names to God’s creation
16. To feed from the plants.
17. They should obey God’s commands (not to eat from)
18. To marry for companionship.
19. Human being should help each other.
20. To subdue/have dominion over the earth/control
21. ***How does the church help to bring back members who have fallen from the faith. (6mks)***
22. By praying for/with the member
23. Through providing guidance and counseling/advice.
24. Visiting the member/doing a follow-up after preaching to him/her.
25. By inviting him/her to come to church.

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1. Forgiving/accepting him/her in church.
2. Teaching/preaching the word of God to him/her.
3. By showing him/her love.
4. By encouraging him/her to confess/repent/seek for forgiveness
5. ***a) Describe how God prepared the Israelites for the making of the covenant at Mt. Sinai (Exodus 19) (8mks)***
6. God told Moses to remind the people of Israel of how he had brought them out of Egypt.
7. God told Moses that He wanted to make a special relationship with Israel/make the a kingdom of priests.
8. Moses called all the elders/people and told them what God had said.
9. God told Moses that He wanted the Israelites to obey Him.
10. The Israelites promised to do all that the Lord had said/response.
11. God promised to come down and meet with the people on the third day.
12. The people were instructed to consecrate/wash their garments clean
13. Moses set bounds (boundaries of mountain) for the people not to go up the mountain/touch the border of it.
14. The people were to abstain from sexual relationships.
15. On the third day, there was a thick cloud cover upon the mountain/loud trumpet blast/manifestation/earthquake.
16. Moses brought the people out of the camp to meet with God/ they took their stand at the foot of the mountain.
17. The Lord came down to the top of the mountain/called Moses to go up to Him.
18. ***Give five ways in which God prepared Moses to be the future leader of the Israelites. (5mks)***
19. God spared his life and he was rescued by Pharaoh’s daughter.
20. He was nursed by his own mother who taught him the traditions of the Israelites.
21. Living in the palace, he acquired leadership skills from Pharaoh.
22. Going through the wilderness, he was hardened, he became bold and he learn how to persevere.
23. Being a shepherd he became responsible, patient and keen.
24. Getting married to Zipporah and having a family gave him the skills of taking care of a family as he would take care of the Israelites.
25. ***Identify seven forms of worship that were practiced by Israelites in the wilderness which are found in Christian worship today. (7mks)***
26. Obeying the ten commandments
27. Singing/dancing in church
28. Praying to God

Page 2 F3 C.R.E. P1

1. Celebration of festivals/feasts
2. Through observing the Sabbath
3. Giving offering/tithes
4. Building places of worship/dedication/constructing places of worship
5. Burning incense
6. ***a) Outline seven failures of King Saul. (7mks)***
7. He offered the burnt offering/assumed priestly duties.
8. He lacked patience to wait for Samuel who was to offer burnt offering to God.
9. He disobeyed God’s command to destroy the Amalekites completely by sparing the life of King Agag.
10. He spared the best of the animals instead of destroying them.
11. He lost faith in God/consulted a medium
12. He wanted to kill David/was jealous of David.
13. He was deceitful to the servant of God.
14. He committed suicide.
15. ***Give six conditions that made it difficult for prophet Elijah to stop idolatry in Israel. (6mks)***
16. The existence of false prophets who gave false promises to the Israelites.
17. King Ahab had allowed his Phoenician wife to bring the worship of the false gods and goddess
18. Jezebel had the persecution of true prophets of God.
19. King Ahab had allowed the building of temples/high places for the worship of Baal.
20. The Canaanite religion had a strong influence on the Israelites.
21. The King participated in idol worship.
22. The gods could be seen/touched/appeared real.
23. ***State ways in which Christians in Kenya demonstrate their faith in God. (7mks)***
24. Through praying/fasting
25. Through preaching/evangelism
26. By singing/dancing for Gos/audio visual
27. By building worshipping places
28. By giving tithe/offering to God.
29. By helping the needy/act of charity
30. Through forgiving others/repenting their sins
31. By respecting their church leaders/spiritual authority
32. By having special attires/wearing crucifix.
33. By leading righteous lives/obeying God’s commands/role model
34. By observing religious festivals/rituals/church functions/day of Sabbath/events
35. By reading the Bible/Christian literature/creative arts/composing songs.

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1. ***a) Give seven characteristics of true prophets in the Old Testament. (7mks***
2. they were called by God
3. they received revelation from God through dreams/vision/direct command.
4. They were obedient
5. They faced opposition/rejection from the people because of their uncompromising attitude
6. They communicated God’s message to the people.
7. The prophets spoke with authority/were fearless.
8. They acknowledged ione God who was universal/monotheism
9. They understood the nature of the prophesies/they preached about God’s judgment for sin/hope for restoration.
10. Their prophesies were fulfilled
11. They did not prophecy for material gains.
12. They led holy lives
13. ***Outline the teaching of Prophet Amos on the Day of the Lord. (8mks)***
14. The day of the Lord would be full of darkness/no light/eclipse/gloom
15. It would be a day of horror/disaster/terror
16. The day of the Lord will be a day of disappointment to the rich/rulers.
17. God would punish the Israelites for disobedience. He will remember their evict deed/God’s judgment would be upon them.
18. There would be earthquake/the land shall tremble/floods
19. There will be mourning/wailing on the day of the Lord.
20. People will not delight in their feasts/festivals
21. People will faint in the process of searching for the word of God.
22. Israelites would be defeated by their enemies on the day of the Lord
23. People will thirst/hunger for the word of God.
24. It will be a day of disappointment to the Israelites/there will be no happiness/joy
25. ***Give five obstacles the church is facing in trying to curb injustices in Kenya today. (5mks)***
26. There is rampant corruption/bribery in the society.
27. Lenient punishment is given to those who break the laws
28. Breakdown of traditional customs/norms/permissiveness in the society.
29. There is poverty/unemployment among the people.
30. Lack of role model/some leaders are involved in practicing injustices.
31. They are organized crimes/cartels in the society.
32. ***a) Outline the content of Jeremiah’s letter to the exiles in Babylon. (7mks)***
33. Prophet Jeremiah encouraged the exiles to build houses/settle down.
34. He told them to plant gardens/eat their produce.

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1. He told them to marry/have children so as to increase in number.
2. Prophet Jeremiah advised them to live in peace in Babylon/pray for the welfare of others.
3. He warned them not to listen to false prophets who lied to them/gave false hope
4. He told them that God would restore them to their land after seventy years
5. He encouraged them to trust in God/God would answer their prayers.
6. He told them that God had good plans for them.
7. ***In what ways did prophet Jeremiah suffer white carrying out his work in Judah. (7mks)***
8. There was a plot to kill Jeremiah by his people at Ananoth
9. He was anguished/tormented by the prosperity of the wicked.
10. Jeremiah suffered loneliness/isolation
11. He was beaten by Pashur the priest
12. He was arrested/chained/imprisoned
13. He was falsely accused/rejected by his own family.
14. He was in constant conflict with the leaders
15. Jeremiah was hated by the people of Judah.
16. He was physically assaulted/tortured/put in a cistern/beaten
17. He was mocked/ridiacled by the people.
18. ***Give six ways in which Christians can assist victims of disaster. (6mks)***
19. By donating food/clothing for them/material needs.
20. By providing shelter for them
21. By resettling them in safe areas.
22. Offering guidance and counseling
23. Through offering health care
24. Through visiting them
25. Praying for/with them.
26. Preaching to them
27. By providing financial assistance/free education
28. By taking preventive measures against future disaster/training
29. By re-uniting them with their families.
30. ***a) Outline eight rituals performed during the birth of a baby in traditional African community. (8mks)***
31. There is feasting by the family/relatives.
32. Prayers of thanksgiving/blessings/protection are offered.
33. Protective charms are given to the mother/baby
34. Sacrifices are offered to God.

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1. The mother/the baby are kept in sedusion
2. There is a dancing/singing for the new life
3. The umbilical cord is cut to separate the baby from the mother.
4. The baby/the mother are given gifts.
5. The mother’s hair is shaved.
6. Ululations are made to announce the sex of the baby.
7. The placenta is disposed off carefully
8. The baby is washed.
9. The baby is given bitter/sweet substance.
10. ***State five roles of a midwife in the traditional African community. (5mks)***
11. They helped the pregnant women in delivery services
12. The midwife took care of the weak mother and the child.
13. They gave advice to the parents of the mother on ways of bring up the child.
14. They helped in household chores.
15. They acted as middle persons between the woman and the husband.
16. They made sure that all the rituals concerning birth were adhered to.
17. ***Why is the church in Kenya opposed to the practice of wife inheritance? (7mks)***
18. It may lead to the abandonment of children/wife
19. It can cause jealousy/breakage of the family.
20. It may lead to destruction of property/snatching/grabbing property.
21. It is dehumanizing/oppressive to the woman/widow.
22. It can lead to diseases/HIV/AIDS
23. It can cause embarrassment to the concerned members.
24. It is against Christian teaching of monogamy.
25. It may lead to street children/increase in crime
26. It can lead to death.
27. It can create psychological/emotional problems.

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CHRISTIAN RELIGIOUS EDUCATION

313/2

**FORM 4**

MAY 2021

2 ½ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**C.R.E PAPER 2**

**INSTRUCTIONS**

Answer any five questions in the spaces provided.

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Question | 1 | 2 | 3 | 4 | 5 | Total |
| Marks |  |  |  |  |  |  |

*Page 1 of 8 F3 C.R.E. P2*

1. a) Outline seven ways in which Jesus fulfilled the Old Testament prophesies concerning the Messiah (7mks)
2. Mention the activities that took place during the dedication of Jesus in the Temple (Luke 2: 22-38) (7mks)
3. State six challenges parents face when bring up children in the modern society. (6mks)
4. a) Describe the healing of the man possessed with an evil spirit in Capernaum (Luke 4:31-37) (8mks)
5. Give six reasons why Jesus faced opposition from the Jewish religious leaders. (6mks)
6. Outline six lessons Christians learn about Jesus from the healing in Capernaum (6mks)
7. a) State seven teachings by Jesus on material possession from the parable of the rich fool Luke 12:16-21 (7mks)
8. Narrate the parable of the shrewd manager (Luke 16:1-9) (7mks)
9. How can Christians use their use their wealth to glorify God? (6mks)
10. a) Outline Paul’s teachings on the use of the gifts of the Holy Spirit. (6mks)
11. Identify seven fruit of the Holy Spirit as taught by Saint Paul in Galatians 5:22-23 (7mks)
12. How are the gifts of the Holy Spirit manifested in the church today? (7mks)
13. a) Explain how the unity of believers is expressed in the image of the body of Christ (1 Corinthians 12:12-27) (6mks)
14. State seven characteristics of the people of God as taught by Peter in 1Peter 2:9-10 (7mks)
15. Give seven ways in which Christians can promote unity among themselves in Kenya today. (7mks)
16. a) Identify five sources of Christian ethics. (5mks)
17. Outline seven Christian teaching on human sexuality. (7mks)
18. In what ways can the Church help to curb domestic violence in Kenyan families today? (8mks)

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CHRISTIAN RELIGIOUS EDUCATION

313/2

**FORM 4**

MAY 2022

2 ½ HOUR

**FORM 4 MID TERM EXAMS 2022 TERM1**

**C.R.E PAPER 2**

**MARKING SCHEME**

1. ***a) Outline seven ways in which Jesus fulfilled the Old Testament prophesies concerning the messiah (7mks)***
2. He was born in Bethlehem fulfilling Micah’s prophecy
3. He fulfilled Isaiah’s prophesy by being born of virgin.
4. He was descendant of David fulfilling Isaiah’s prophecy.
5. He was given titles like Emmanuel e.t.c. according to Isaiah’s prophecy.
6. He performed miracles fulfilling Isaiah’s prophesy
7. He was betrayed by Judas, one of his disciples fulfilling Psalmist prophecy.
8. He was filled with the holy spirit
9. He was fulfilled Isaiah’s prophecy of the suffering servant when he was arrested, beaten, killed/crucified.
10. He fulfilled Isaiah’s prophecy of being called the Son of God when a voice confirmed Him as the Son of God during baptism.
11. ***Mention the activities that took place during the dedication of Jesus in the Temple (7mks)***
12. Jesus was presented to God in the Temple by his parents
13. Simeon was moved by the Holy Spirit, took Jesus in his arms and praised God.
14. Simeon said he was ready to die for he had seen God’s revelation.
15. Simeon prophesied about Jesus
16. Prophetess Annah thanked God for sending Jesus to redeem his people
17. Jesus’ parents marveled at Simeon’s and Annah’s prophecy
18. Turtle doves were offered as per the Mosaic law for the purification ritual
19. Simeon blessed Jesus’ parents.
20. Jesus and his parents returned home.
21. ***State six challenges parents face when bring up children in the modern society. (6mks)***
22. Lack of enough money to provide for their children.
23. Inability to protect their children from negative Western influence
24. Disintegration of the traditional African moral values.

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1. Negative peer influence among the children.
2. Parents are too busy with work such that they have no time for their children
3. Negative influence by the media/social media to practices like pornography, crime e.t.c
4. Drug and substance abuse.
5. ***a) Describe the healing of the man possessed with an evil spirit in Capernaum Luke 4:31-37 (8mks)***
6. Jesus was teaching in a synagogue on a Sabbath in Capernaum.
7. People were amazed by the way he taught.
8. In the synagogue there was a man possessed by unclean demon/spirit.
9. He cried out with a loud voice Ah! What have you to do with us. Jesus of Nazareth..........?
10. The demon confessed that he knew Jesus as the son of God.
11. Jesus rebuked him saying “Be silent and come out of him”
12. The demon came out of him throwing him down.
13. Those present were amazed on how Jesus had commanded the evil spirit with authority.
14. A report of what Jesus had done went into every place in the surrounding region.
15. ***Give six reasons why Jesus faced opposition from the Jewish religious leaders. (6mks)***
16. He claimed to have power to forgive sins
17. He associated with sinners like tax collectors
18. He healed on the Sabbath
19. His disciples didn’t fast like those of John the Baptist
20. He told his disciples that he did not come to call the righteous but the sinners
21. He challenged the Pharisees to move from their old traditions to his new teachings
22. His popularity
23. ***Outline six lessons Christians learn about Jesus from the healing in Capernaum (6mks)***
24. Jesus Christ is the Son of God
25. Jesus Christ is portrayed as one who is full of kindness, love and compassion towards his listeners.
26. He has power over evil spirits
27. He has power over diseases/sickness
28. He was the Lord of Sabbath as he performed the miracle on a Sabbath
29. He was not ready to reveal his identity to people.
30. He had come to liberate/set people free from bondage.
31. He taught with authority as he preached in the synagogue
32. He is concerned with both the spiritual and physical welfare of the people.

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1. ***a) State seven teachings by Jesus on material possession from the parable of the rich fool Luke***

***12:16-21 (7mks)***

1. Material possessions are not permanent
2. Material possessions can lead to greed.
3. Wealth cannot save one from death
4. Material wealth can led to anxiety and worry
5. Wealth can sometimes give people a false sense of security.
6. Spiritual wealth is more important than earthly wealth.
7. Material wealth doesn’t guarantee eternal life.
8. God is the giver of material wealth
9. ***Narrate the parable of the shrewd manager (Luke 16-1-9) (7mks)***
10. There was a rich man who had a steward
11. Charges were brought to the rich man that his steward was wasting his goods.
12. The rich man asked for a full account on how the steward was using his goods.
13. On realizing that he would lose his job, the steward devised ways of helping himself.
14. He summoned his masters’ debtors and reduced their debts.
15. To one who owed 100 measures of oil had his debts reduced to 50 measures.
16. To one who owed 100 measures of wheat he reduced to 80 measures.
17. When the master heard what the steward had done, he commended his stewardess
18. He was however saddened by the fact the steward had used his stewardess for personal gain.
19. ***How can Christians use their use their wealth to glorify God? (6mks)***
20. Help the needy
21. Giving tithe/offerings
22. Contributing towards building churches/schools
23. Supporting the preaching of the gospel/missionary work.
24. Producing Christian literature and movies.
25. Taking care of religious leaders like priests
26. Organizing seminars/workshops for specific groups of people like youth, women, men, drug addicts e.t.c.
27. ***a) Outline Paul’s teachings on the use of the gifts of the Holy Spirit. (6mks)***
28. They should be used for the common good of all.
29. They should be used to strengthen/encourage/comfort members
30. They should unite members/should not divide.
31. They should be used in an orderly manner/not cause confusion.
32. They should be used in love.
33. Gift of speaking in tongues should be minimized in public gatherings/worship.

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1. There is need for interpretation of tongues for all to benefit.
2. People should not look down on some gifts/all gifts are important.
3. Prophecies should be carefully evaluated.
4. ***Identify seven fruit of the Holy Spirit as taught by Saint Paul in Galatians 5:22-23 (7mks)***
5. Love
6. Joy
7. Peace
8. Patience
9. Kindness
10. Goodness
11. Faithfulness
12. Gentleness
13. Self control
14. ***How are the gifts of the Holy Spirit manifested in the church today? (7mks)***
15. Through the wise decisions made in church.
16. Faith healing/casting out demons/performing miracles
17. Through preaching/teaching the word of God/prophecy
18. When Christians help the needy.
19. Through giving tithes/offerings in church.
20. When Christians receives revelations/word of knowledge.
21. Ability to speak/interplate tongues.
22. Repentance/confession of sins/forgiving others
23. When Christians sing/dance/compose religious songs.
24. ***a) Explain how the unity of believers is expressed in the image of the body of Christ (1 Corinthians 12:12-27) (6mks)***
25. Paul described the unity of believers to the body of Christ.
26. Christ is the head of the Church.
27. Believers form parts of the body.
28. Just as the body has different organs, the same way church had different members.
29. Believers should work together for the well being of the Church just as the body parts work together for the well being of the body.
30. Just as body parts are interdependent of each other, Christians should also be interdependent/one Christian cannot be without others.
31. Church members have been given different spiritual gifts to carry out God’s work

Page 4 F3 C.R.E P2

1. Believers are united to one another through the holy spirit.
2. ***State seven characteristics of the people of God as taught by Peter in 1Peter 2:9-10 (7mks)***
3. They are a chosen people/race
4. They are a royal priesthood
5. They are a holy nation
6. God’s own people/they belong to God
7. They are to declare wonderful deeds of God.
8. They were called from darkness to light
9. Once they were not a people
10. They have received God’s mercy.
11. ***Give seven ways in which Christians can promote unity among themselves in Kenya today. (7mks)***
12. Holding joint/interdenominational prayers
13. Taking joint stand against injustice/problems in the society
14. They should work together to promote educational programmes in the country.
15. Joining together to train religious leaders from different denominations.
16. Providing financial support to the poor irrespective of denomination affiliation
17. Providing/creating employment
18. Providing medical services
19. Respecting one another’s doctrinal positions.
20. ***a) Identify five sources of Christian ethics. (5mks)***
21. Human reason and experience
22. Sacred scriptures/the Bible
23. Christian community
24. Natural laws
25. Situational ethics
26. Secular laws
27. ***Outline seven Christian teaching on human sexuality. (7mks)***
28. It is sacred/holy
29. Male and female are created for companionship
30. They are created in the image of God.
31. Sex is only allowed in marriage.
32. Male and female were created for procreation
33. The bible condemns all forms of irresponsible sexual behaviours
34. Male and female were created to play complementary roles.
35. Both male and female are equal.

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1. ***In what ways can the Church help to curb domestic violence in Kenyan families today? (8mks)***
2. Offering guidance and counselling to the affected families.
3. Holding seminars/conferences for married couples.
4. Praying for families
5. Teaching on the need for love/respect/tolerance in marriage.
6. Developing mass media programmes on family relationship
7. Providing material assistance/employment to the needy to reduce tension.
8. Condemning all forms of violence.
9. Settling disputes among couples/children.
10. Being good role models/setting a good example

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NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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AGRICULTURE

443/1

**FORM 4**

MAY 2022

2 HOURS

**FORM 4 MID TERM EXAMS 2022 TERM1**

**AGRICULTURE PAPER 1**

**INSTRUCTIONS:**

1. This booklet contains three sections A, B and C
2. Answer all questions in section A and B and two questions for section C
3. All answers should be written in the spaces provided

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum** | **Candidate’s score** |
| **A** |  | **30** |  |
| **B** |  | **20** |  |
| **C** |  | **40** |  |
| **Total** |  | **90** |  |

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**SECTION A (30 Mks)**

***Answer all questions in the spaces provided.***

1. State four benefits of crop rotation. (2mks)

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1. Define the following terms as used in Agriculture.
2. Pastoralism: (1mk)

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1. Arable farming (1mk)

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1. State four factors that influence solifluction. (2mks)

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1. Name three basic concepts of economics. (1 ½ mks)

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1. Give four farming practices that may help to achieve minimum tillage. (2mks)

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1. State four field management practices carried out in carrot production. (2mks)

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1. a) At what stage of growth should paddy rice be transplanted? (1mk)

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*Page 2 of 12 F3 Agri. P1*

1. Besides providing water to the plants, state two other uses of the flood water to rice fields. (1mk)

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1. a) Name any two methods which can be used to detect mineral nutrient deficiency in crops. (1mk)

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1. What is the importance of taking a farm inventory? (1mk)

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1. Give any four things that would happen to the element Nitrogen when Ammonium Sulphate fertilizer is applied to a field of maize. (2mks)

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1. State two ways in which Agriculture contributes to industrial development. (1mk)

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1. State two methods by which a farmer can control stalk borer in a field of maize. (1mk)

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1. Give four characteristics of clay soils. (2mks)

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*Page 3 of 12 F3 Agri. P1*

1. Give four reasons why vegetative propagation is considered more vital than seed propagation in the establishment of citrus fruits. (2mks)

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1. State four methods of breaking dormancy in seeds before planting. (2mks)

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1. Give four effects of communal land ownership on productivity of dairy cattle. (2mks)

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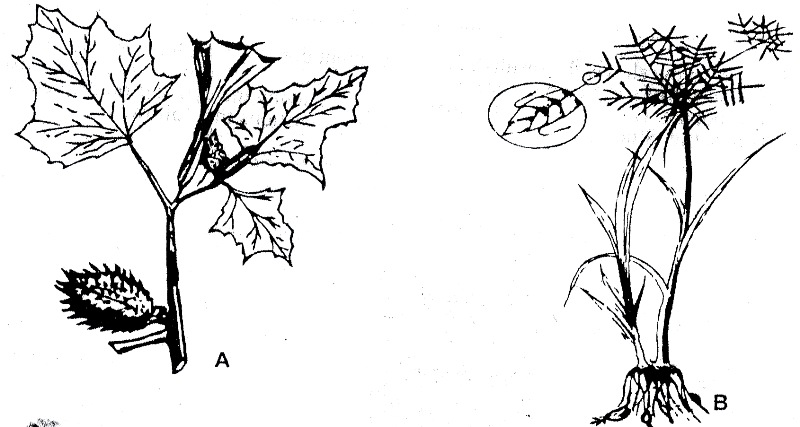
16. State five reasons for top dressing of pastures (2 ½ mks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**SECTION B (20Mks)**

1. Below are diagrams of weeds labeled A and B. Study them and answer the questions that follow.



1. Identify the weeds A and B

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2mks)

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Classify weed B according to plant morphology (1mk)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

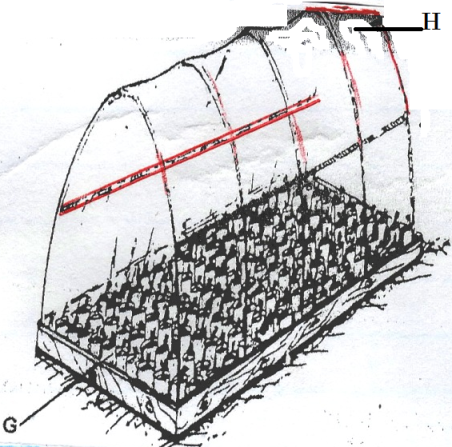
1. State the following;
2. Specific harmful effect of the weed labeled A to livestock. (1mk)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Reasons why it is difficult to control the weed labeled B (1mk)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The diagram below illustrates a type of nursery used in crop production. Study it carefully and answer the questions that follow.



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1. Identify the type of nursery illustrated above. (1mk)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name the parts labeled G and H (2mks)

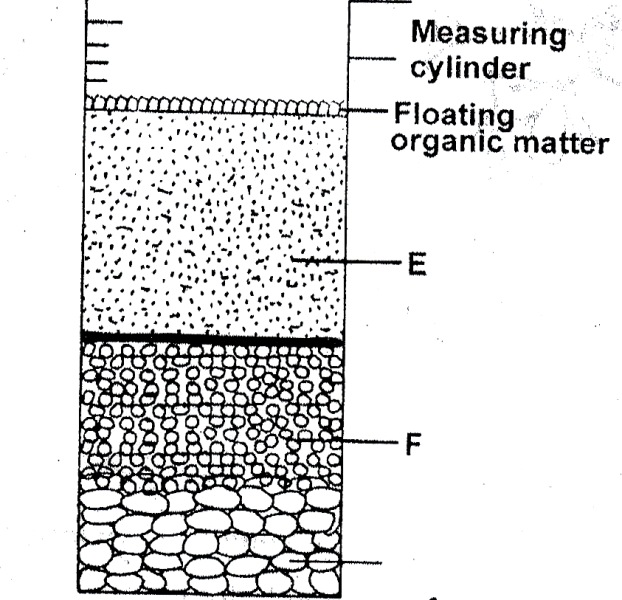
G \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give an example of a crop raised in the type of nursery illustrated above. (1mk)

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1. The diagram below shows results of an experiment done by a student. The student had put a sample of soil in measuring cylinder then added water mixed with sodium carbonate. He then shook the mixture before leaving the cylinder on the bench for the contents to settle. Study it and answer the questions that follow.



1. What was the aim of the experiment? (1mk)

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1. Identify the layers represented by E and F (2mk)

E \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State the role of the sodium carbonate used in the experiment. (1mk)

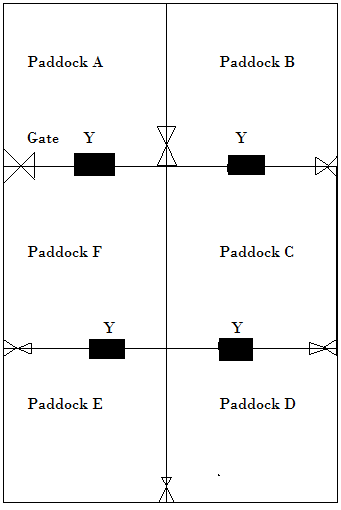
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give two roles of soil to crop plants. (2mks)

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1. The diagram below shows a grazing system commonly used by farmers. Use it to answer the questions that follow



1. Identify the grazing system illustrated above. (1mk)

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1. State the importance of part Y on the illustration. (1mk)

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1. Give three advantages of this system of grazing. (3mks)

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**SECTION C (40 MARKS)**

***Answer only two questions in this section in the spaces provided after the question***

1. Describe the field production of maize for grains, starting from the seedbed preparation to harvesting. (20mks)
2. a) State ten advantages of using organic matter for mulching. (10mks)
3. Give four reasons of establishing a mixed-grass pasture instead of planting a pure grass pasture. (4mks)
4. Describe six environmental conditions that may lead to low crop yields. (6 mks)
5. a) Explain how various practices carried out in the field help to control crop diseases. (10mks)
6. What are the uses of form records? (10mks)

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AGRICULTURE

443/1

**FORM 4**

MAY 2022

2 HOURS

**FORM 4 MID TERM EXAMS 2022 TERM1**

**AGRICULTURE PAPER 1**

**MARKING SCHEME**

**SECTION A (30 Mks)**

***Answer all questions in the spaces provided.***

1. ***State four benefits of crop rotation.***

* Improved soil fertility.
* Maximum utilization of nutrients.
* Control of soil-borne pests/diseases
* Control of weeds e.g.Striga spp
* Improvement of soil structure
* Control soil erosion.

(Any 4 x ½ = 2mks)

1. ***Define the following terms as used in Agriculture.***
2. ***Pastoralism: (1 x 1 = 1mks)***

Rearing of mammalian livestock on natural Pastures.

1. ***Arable farming (1 x1 = 1mk)***

Production of crops on cultivated land.

1. ***State four factors that influence solifluction.***

* Lack of vegetation cover;
* Steep slope/topography
* Amount and intensity of rainfall
* Soil type

***(Any 4 x ½ =2mks)***

1. ***Name three basic concepts of economics.***

* Opportunity cost;
* Scarcity;
* Taste and preferences;

(Any 3 x ½ = 1½mks)

1. ***Give four farming practices that may help to achieve minimum tillage.***

* Bush clearing/clearing land
* Use of herbicides
* Planting/drilling seeds directly to the stubble of previous crop.
* Timing cultivation
* Use of mulch on the soil surface.
* Establishing a cover crop
* Uprooting/slashing the weeds

(Any 4 x ½ = 2mks)

1. ***State four field management practices carried out in carrot production.***

* Thinning

Page 1 of 8(F3 Agri P1)

* Weed control
* Earthing up
* Top dressing.
* Irrigation
* Control of pests and disease

(Any 4 x ½ = 2mks)

1. ***a) At what stage of growth should paddy rice be transplanted?***

* At 3-4 weeks of growth in the nursery.
* At 16-20cm height
* At 4-6 leaves stage.

(1 x 1 = 1mk)

1. ***Besides providing water to the plants, state two other uses of the flood water to rice fields.***

* To suppress weeds.
* To get even growth
* To create optimum environment for the growth of rice.

(Any 2 x½ = 1mk)

1. ***a) Name any two methods which can be used to detect mineral nutrient deficiency in crops.***

* Soil analysis
* Leaf analysis
* Observations of deficiency symptoms

(Any 2 x½ = 1mk)

1. ***What is the importance of taking a farm inventory?***

* In order to establish what is there and what is not there in the farm/assist in detecting lost/stolen items

(1 x 1 = 1mk)

1. ***Give any four things that would happen to the element Nitrogen when Ammonium Sulphate fertilizer is applied to a field of maize.***

* Nitrogen may volatilize
* May be used up by micro-organism
* May be leached
* It may be eroded/water erosion.
* It may be taken up by the maize or other plants
* It may be released into the atmosphere by bacteria/denitrification

(Any 4 x ½ = 2mks)

1. ***State two ways in which Agriculture contributes to industrial development.***

* Agriculture produces raw materials for industries.
* It provides market for industrial products
* Source of capital/income for starting industries.

(2 x ½ = 1mk)

1. ***State two methods by which a farmer can control stalk borer in a field of maize.***

* Apply stalk borer dust/granules/insecticides in the maize funnel/recommended insecticides.
* Rogueing
* Practicing field hygiene

(2 x ½ = 1mk)

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1. ***Give four characteristics of clay soils.***

* High water retention capacity
* Cracks when dry
* Sticks when wet/it is difficult to work.
* Poorly drained/easily waterlogged/poor aeration
* It has high cation exchange capacity/high fertility
* Fine particles
* High capillarity
* Very hard when dry
* Swells when wet

(4 x ½ =2mks)

1. ***Give four reasons why vegetative propagation is considered more vital than seed propagation in the establishment of citrus fruits.***

* Crop mature early
* Clonal characters are retained
* Buddlings are less thorny than seedlings
* Buddling spread outwards while seedlings grow upwards.
* Different characters can be produced on one root stock
* Facilitates uses of good root stock e.g. disease or drought resistance.
* Possible to propagate seedless citrus plants
* Buddlings are less dominant than seedling.

(4 x ½ =2mks)

1. ***State four methods of breaking dormancy in seeds before planting.***

* Soaking the seeds in hot water
* Scarification of seeds
* Chemical treatment e.gsulphuric acid/potassium nitrate.
* Heat treatment e.g. boiling, light burning, roasting e.t.c.

(4 x ½ =2mks)

1. ***Give four effects of communal land ownership on productivity of dairy cattle.***

* Uncontrolled breeding would occur.
* Productivity declines due to inadequate pasture
* Poor control of parasites.
* Poor control of diseases

(4 x ½ =2mks)

***16. State five reasons for top dressing of pastures***

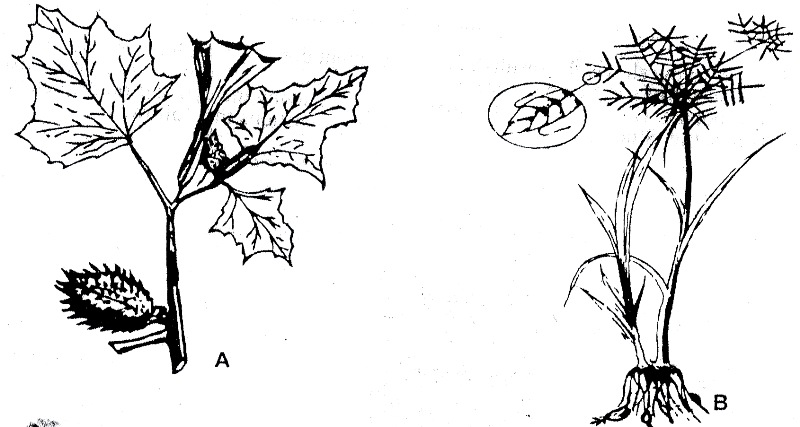
* To add (replenish) soil nutrients and ensure proper nutrient balance.
* To increase the herbage yield.
* To improve the nutritive value of the crop
* To correct or amend both physical and chemical properties such as soil structure and moisture holding capacity
* To enable soil micro-organisms to break down organic residues into available nutrients.

(5 x ½ = 2½mks)

Page 3 of 8(F3 Agri P1)

***SECTION B (20Mks)***

1. ***Below are diagrams of weeds labeled A and B. Study them and answer the questions that follow.***

******

1. ***Identify the weeds A and B***

A - Thorn apple/Daturastramonium ***(2mks)***

B – Nut grass/sedge/cyperusrotundus

1. ***Classify weed B according to plant morphology (1mk)***

* Narrow leaved weed

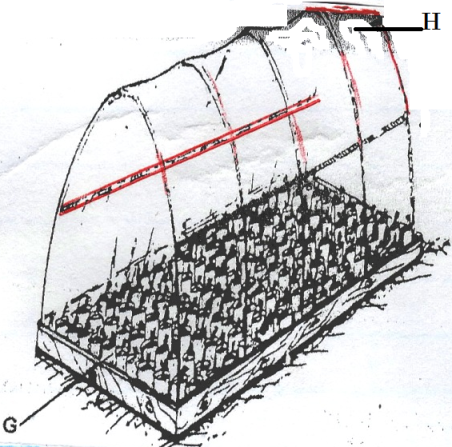
1. ***State the following;***
2. ***Specific harmful effect of the weed labeled A to livestock. (1mk)***

* Poisonous when eaten by livestock

1. ***Reasons why it is difficult to control the weed labeled B (1mk)***

* Presence of underground nuts.

1. ***The diagram below illustrates a type of nursery used in crop production. Study it carefully and answer the questions that follow.***

******

1. ***Identify the type of nursery illustrated above. (1mk)***

* Vegetative propagation nursery/unit

1. ***Name the parts labeled G and H (2mks)***

G – Sleeved cuttings/polythene sleeves containing cuttings

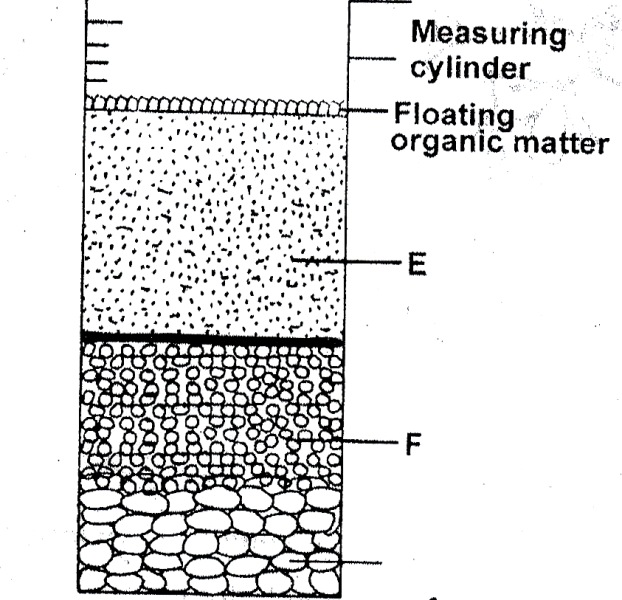
H - The hoop or the cover

1. ***Give an example of a crop raised in the type of nursery illustrated above. (1mk)***

* Tea/ornamentals like Bougainvilea/Rose plant

(Page 4 of 8 F3 Agri P1)

1. ***The diagram below shows results of an experiment done by a student. The student had put a sample of soil in measuring cylinder then added water mixed with sodium carbonate. He then shook the mixture before leaving the cylinder on the bench for the contents to settle. Study it and answer the questions that follow.***

******

1. ***What was the aim of the experiment? (1mk)***

* To show that soil is made up of different sized particles

1. ***Identify the layers represented by E and F (2mk)***

E – Water with fine particles of clay and dissolved mineral salts

F - Gravel particles

1. ***State the role of the sodium carbonate used in the experiment. (1mk)***

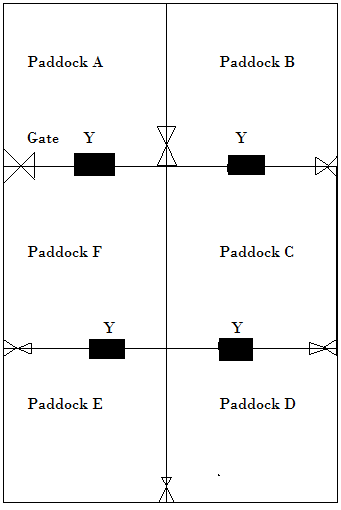
Aid in the dispersion of soil particles

1. ***Give two roles of soil to crop plants.***

* Anchorage/support
* Source of nutrients
* Source of water
* Source of air
* Harbor soil micro-organisms/decomposers

(2 x 1 = 2mks)

1. ***The diagram below shows a grazing system commonly used by farmers. Use it to answer the questions that follow***

******

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1. ***Identify the grazing system illustrated above. (1mk)***

Rotational grazing (reject: paddocking)

1. ***State the importance of part Y on the illustration. (1mk)***

Watering point for animals

1. ***Give three advantages of this system of grazing.***

* Animal waste is evenly distributed in all the fields.
* Pasture crop is given time to regrow
* Excess pasture can be harvested for conservation
* Livestock make maximum use of pasture
* Reduces the build-up of pests and diseases
* It is possible to apply fertilizers in parts of the pasture which are not in use

(3 x1 = 3mks)

***SECTION C (40MARKS)***

***Answer only two questions in this section in the spaces provided after the question***

1. ***Describe the field production of maize for grains, starting from the seedbed preparation to harvesting.***

* Clear the land and remove stumps if any
* Remove perennial weeds/plough in dry season.
* Harrow the land/carry out secondary tillage
* Harrow the land to a medium tilth
* Select a suitable maize variety for the area e.g. H511 or H513 for medium altitude
* Specific varieties for named areas/regions
* Plant at 2.5-10.0cm deep depending on moisture content of the soil
* Apply phosphatic fertilizer/manure during planting
* Phosphatic fertilizer should be applied at the rate of up to 120kg/ha of P2O5
* Plant at 75-90cm by 23-50cm to get the right plant population per hectare
* Place one or two seeds per hole depending on the spacing
* Plant health/certified seeds
* Gapping/thinning should be done/remove tillers
* Control weeds in the field up to flowering stage.
* Control weeds mechanically or by use of herbicides
* Top dress using nitrogenous fertilizers
* Apply nitrogenous fertilizers at the height of 40-60cm/ at knee high stage
* Apply nitrogenous fertilizers up to 200kg/ha
* Control pests like stalkborer, army worms, dusty brown beetle, birds e.t.c.
* Use appropriate pesticides or method to control pests
* Control maize diseases e.g. maize streak, rust, blight, smut etc
* Use appropriate fungicides/appropriate methods to control diseases.
* Harvest maize when it is dry/at the right moisture content i.e 14-28% moisture content depending on the method of harvesting.
* Cut and stook maize where necessary.
* Remove the husks from the cobs by hand or mechanically.

(20 x 1 = 20mks)

1. ***a) State ten advantages of using organic matter for mulching. (10mks)***

* Reduces speed of run-off/reduces soil erosion
* Improves soil structure on decomposition
* Organic matter modifies soil temperature

Page 6 of 8 (F3 Agri P1)

* Improves soil fertility on decomposition
* Improves soil water retention capacity of sandy soils on decomposition
* Improve water infiltration of soils
* Increases microbial activity in the soil
* Control weeds
* Reduces evaporation rate from the soil/conserves moisture
* Buffers soil pH on decomposition
* Reduces toxicity of plant poisons built up in the soil on decomposition.
* Improves soil aeration on decomposition.

(10 x 1 = 10mks)

1. ***Give four reasons of establishing a mixed-grass pasture instead of planting a pure grass pasture.***

* Grass – legume pasture has higher nutritive value.
* The yield of forage per unit area is higher
* Higher soil fertility due to nitrogen fixation
* The grass-legume mixture is more palatable
* Helps to prevent total loss from pests/disease
* Economizes on the use of nitrogenous fertilizers (4 x 1 = 4mks)

1. ***Describe six environmental conditions that may lead to low crop yields.***

* Poor soil/infertile soil due to lack of applying manure or inorganic fertilizers
* Less rainfall/unreliable rainfall/too much rainfall
* Poor soil type resulting into water logging or excessive leaching of nutrients
* Inappropriate soil pH
* Pest attack
* Inappropriate temperature – either too high or too low
* Excess wind which may increase rate of water loss from the soil/destruction of crops
* Extreme humidity is bad
* Extremes of light intensity reduces photosynthesis
* Topography/some altitude limit crop growth
* Disease attack lowers yields
* Poor weed control cause competition for nutrients.
* Damage by hailstorms/stones which cause defoliation. (Any 6 x 1 = 6mks)

1. ***a) Explain how various practices carried out in the field help to control crop diseases.***

* Proper plant nutrition: Helps plant resist/control deficiency diseases
* Crop rotation: breaks the life cycle of disease causing organisms
* Rogueing/Destroying infect crops: Stops the disease from spreading
* Planting disease-free plants/use of certified seeds: prevents introduction of pathogens into the field.
* Close season: Helps to break life cycle of the pathogens
* Early planting/timely planting: Helps crops to establish faster before the attack by the diseases
* Proper spacing: Creates unfavourable micro-climate for some pathogens/minimizes spread of diseases
* Weed control: prevents harbouring of pathogens
* Use of resistant varieties: prevents attack by pathogens
* Application of appropriate fungicides: kills the pathogens
* Use of clean tools and equipment: Reduce chances of contamination with disease causing organisms
* Quarantine: Prevents introduction of pathogens into the farms
* Heat treatment: Kills micro-organisms

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* Pruning: Creates unfavourable micro-climate for some pathogens/minimizes spread of diseases
* Destroying crop residues: Kills disease-causing pathogens
* Control of vectors: To stop spread of pathogens/diseases

(10 x 1 = 10mks)

1. ***What are the uses of form records?***

* Records help a farmer in planning and making sound decisions/budgeting.
* Provide information for income tax assessment
* Provide information to help determine a farmer’s credit worthiness
* Help to determine value of the farm/shows assets and liabilities.
* Helps to compare performance of enterprises between seasons or between one farm and another farm.
* For determining profit or losses
* Help partners to share profits, losses or bonuses in the business partnerships
* Provide labour information for calculating terminal benefits/pensions
* Help support and establish insurance claims on death, theft, fire or loss of farm assets
* Records assist to detect theft in the farm
* Records show the history of the farm
* Help in settling disputes among heirs to an estate if the farmer dies without a will.

(10 x 1 = 10mks)

Page 8 of 8 (F3 Agri P1)

NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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AGRICULTURE

443/2

**FORM 4**

MAY 2022

2 HOURS

**FORM 4 MID TERM EXAMS 2022 TERM1**

**AGRICULTURE PAPER 2**

**INSTRUCTIONS:**

1. Write your name, admission number and class in spaces provided
2. Answer all questions in section A and B
3. Answer any two questions in section C
4. All answers should be written in the spaces provided

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum** | **Candidate’s score** |
| **A** | **1-15** | **30** |  |
| **B** | **16-19** | **20** |  |
| **C** | **20-21** | **20** |  |
| **20** |  |
| **Total** |  | **90** |  |

*Page 1 of 8 F3 Agri. P2*

**SECTION A (30 Mks)**

***Answer all questions in the spaces provided.***

1. State four substances added in the isthmus during egg formation. (2mks)

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1. Define the following terms used in livestock
2. Breed (1mk)

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1. Type (1mk)

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1. State four factors that may influence respiratory rate in farm animals. (2mks)

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1. List four parts of a dairy shed. (2mks)

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1. Give four diseases that attack poultry. (2mks)

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1. State four characteristics of eggs suitable for incubation. (2mks

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1. State four factors affecting digestibility of a feed stuff. (2mks)

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1. State four reasons for maintaining farm tools. (2mks)

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1. State four reasons for culling in livestock. (2mks)

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1. Give two breeding systems under the following categories
2. Inbreeding (1mk)

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1. Out breeding (1mk)

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1. State four symptoms of roundworms attack in livestock. (2mks)

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1. State four importance of fish farming. (2mks)

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1. Give four dairy goat breeds (2mks)

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1. State four predisposing factors to livestock diseases. (2mks)

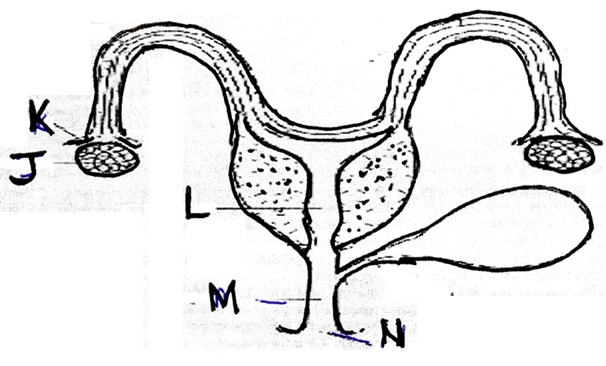
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give four types of pig pens. (2mks)

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**SECTION B (20 MARKS)**

***Answer all questions in this section***

1. The diagram below shows an animal reproductive system. Study it and answer the questions that follow
2. Identify the parts labeled (2mks)

K \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

M \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State two functions of part labeled J (2mks)

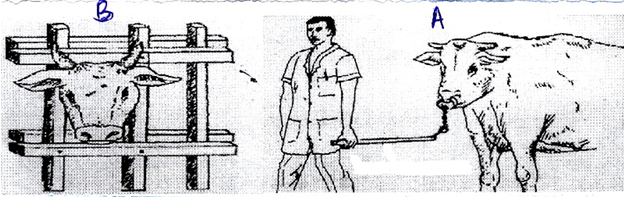
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. When should a farmer inseminate a cow after the onset of heat signs? (1mk)

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1. Below are methods of restraining animals. Study them and answer the questions that follow



1. Identify the methods labeled A and B (2mks)

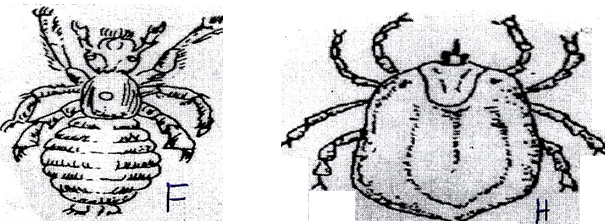
A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give three activities that necessitate handling of animals related to livestock health (3mks)

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1. The diagrams below illustrates livestock parasites.



1. Identify the parasites (2mks)

F \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give one disease transmitted by parasite labeled H (1mk)

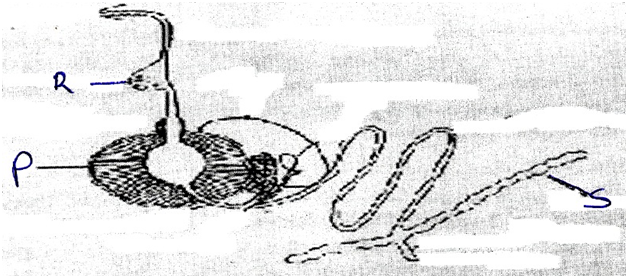
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State two control measures of the parasite labeled F. (2mks)

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1. Below is an illustration of a digestive system of a farm animal.



1. Identify an animal with such digestive system (1mk)

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1. Identify the part labeled R and S (2mks)

R \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State two adaptations of the part labeled P to its functions. (2mks)

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**SECTION C (40MKS)**

***Answer any two questions in this section***

1. a) State five points to remember when handling bees. (5mks)

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1. State the effects of parasites on livestock (5mks)

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1. Discus East Coast Fever (E.C.F) disease under the following sub-headings
2. Causal organism (1mk)

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1. Mode of transmission (1mk)

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1. Symptoms of attack (6mks)

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1. Control and treatment (2mks)

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1. a) State five functions of water in an animal (5mks)

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1. State the uses of five metal work tools and equipment (10mks)

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1. Describe five general characteristics of dairy cattle breeds (5mks)

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1. a) Describe functions of five parts of a plunge dip. (10mks)

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1. Describe five properties of good vaccine. (5mks)

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1. State five importance of keeping live stock healthy. (5mks)

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AGRICULTURE

443/2

**FORM 4**

MAY 2022

2 HOURS

**FORM 4 MID TERM EXAMS 2022 TERM1**

**AGRICULTURE PAPER 2**

**MARKING SCHEME**

**SECTION A (30 Mks)**

***Answer all questions in the spaces provided.***

1. ***State four substances added in the isthmus during egg formation. (2mks)***

* Water
* Mineral salts
* Vitamins
* Shell membranes
* Thin albumen

1. ***Define the following terms used in livestock***
2. ***Breed (1mk)***

Group of animals having same characteristics and a common origin.

1. ***Type (1mk)***

The purpoe for which the animal is kept.

1. ***State four factors that may influence respiratory rate in farm animals. (2mks)***

* Body size of the animal
* Amount of exercise done by the animal
* Degree of excitement
* Ambient/environmental temperature

1. ***List four parts of a dairy shed. (2mks)***

* Milking stalls
* Feed store
* Calf pen
* Milk recording room
* Milk store

1. ***Give four diseases that attack poultry. (2mks)***

* Coccidiosis
* Fowl pox
* New castle disease
* Pneumonia
* Gumboro
* Fowl typhoid

1. ***State four characteristics of eggs suitable for incubation. (2mks***

* Should be fertilized
* Should be of medium size
* Should be oval in shape
* Should be free from cracks
* Should have high candling quality/free from abnormalities
* Should be fresh 5-10 days old

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1. ***State four factors affecting digestibility of a feed stuff. (2mks)***

* Chemical composition of the feed
* Form in which the feed is offered to the animal
* Species of the animal.
* Ratio of energy to protein
* Quantity of feed already present in the digestive system of an animal

1. ***State four reasons for maintaining farm tools. (2mks)***

* To increase durability
* To reduce the replacement cost
* To increase efficiency
* To avoid injury to the user
* To avoid damage to the tool

1. ***State four reasons for culling in livestock. (2mks)***

* Poor health
* Old age
* Poor production/performance
* Physical deformity
* Hereditary defects
* Infertile
* Poor mothering ability

1. ***Give two breeding systems under the following categories***
2. ***Inbreeding (1mk)***

* Line breeding
* Close breeding

1. ***Out breeding (1mk)***

* Out crossing
* Cross breeding
* Upgrading/grading up

1. ***State four symptoms of roundworms attack in livestock. (2mks)***

* Anorexia/ loss of appetite under heavy infestation
* Stiff dry coat/starring coat
* Dehydration and pale mucosa
* Eggs and adult are seen in faeces
* General emaciation
* Diarrhoea
* Anaemic condition where infestation is heavy
* Pot-bellies especially in young animals

1. ***State four importance of fish farming. (2mks)***

* Supplies cheap and good source of protein
* Makes fish available nearby
* Quick source of income for fish farming
* Can be practiced where land is a limiting factor.

1. ***Give four dairy goat breeds (2mks)***

* Saanen - Angio-nubian
* Toggernbug
* British/German/Kenyan Alpine
* Jamnapari

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1. ***State four predisposing factors to livestock diseases. (2mks)***

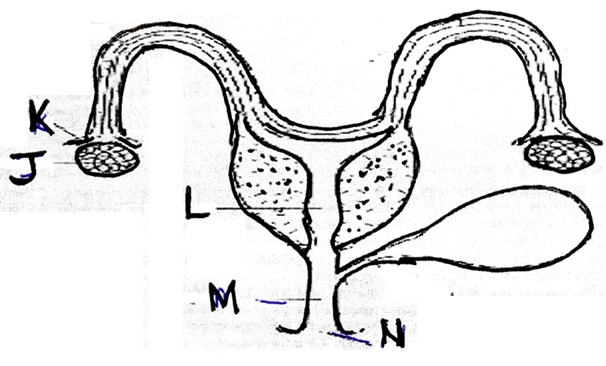
* Species of the animal
* Age of the animal
* Breed of the animal
* Sex of the animal
* Colour of the animal

1. ***Give four types of pig pens. (2mks)***

* Farrowing pen
* Gilt’s pen
* In-pig pen
* Boar’s pen
* Weaners/fatteners pen

***SECTION B (20 MARKS)***

***Answer all questions in this section***

1. ***The diagram below shows an animal reproductive system. Study it and answer the questions that follow***
2. ***Identify the parts labeled (2mks)***

K - Funnel

L - Uterus

M - Vagina

N – Vulva

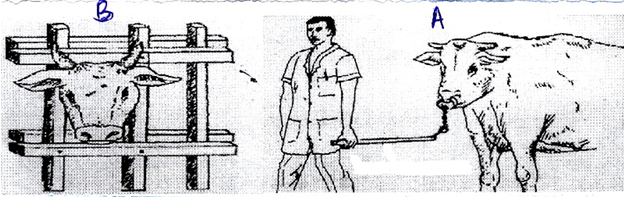
1. ***State two function of part labeled J (2mks)***

* Production of ova/female gametes/eggs
* Production of female sex hormone/oestrogen/FSH

1. ***When should a farmer inseminate a cow after the onset of heat signs? (1mk)***

* After 12-18 hours / standing heat

1. ***Below are methods of restraining animals. Study them and answer the questions that follow***

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1. ***Identify the methods labeled A and B (2mks)***

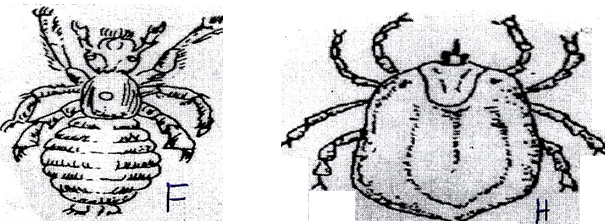
A – use of a bull ring and lead stick

B – use of a head yoke

1. ***Give three activities that necessitate handling of animals related to livestock health***

* Drenching
* Injection
* Mastitis control
* Hand spraying

1. ***The diagrams below illustrates livestock parasites.***

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1. ***Identify the parasites (2mks)***

F – Biting louse

H - Tick

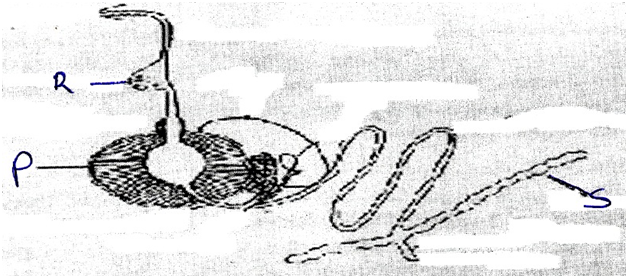
1. ***Give one disease transmitted by parasite labeled H (1mk)***

* E.C.F/Red water/anaplasmosis/heart water/ Nairobi sheep disease/tick bite fever/corridor disease/sweating disease

1. ***State two control measures of the parasite labeled F. (2mks)***

* Smearing perches in the poultry house with volatile insecticide e.g. 40% nicotine sulphate solution
* Spraying/washing/dusting animals with appropriate insecticide
* Keeping animal houses clean
* Dust birds with sodium fluoride

1. ***Below is an illustration of a digestive system of a farm animal.***

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1. ***Identify an animal with such digestive system (1mk)***

Poultry

1. ***Identify the part labeled R and S (2mks)***

R - Crop

S - Caecum

1. ***State two adaptations of the part labeled P to its functions. (2mks)***

* Has grit or sand
* Has tough muscles on each side

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***SECTION C (40MKS)***

***Answer any two questions in this section***

1. ***a) State five points to remember when handling bees. (5mks)***

* Bees should not be frightened to avoid them being wild and sting
* Bee hives should not be approached from the front
* A smoker should be used properly
* Bees should not be crushed during handling to prevent exciting the whole colony
* Movement towards the hive should be made quietly to avoid alerting them.
* If stung, the bee keeper should not run away or throw the combs down
* A bee sting should not be rubbed use a sharp nail or a razor blade to scrape it off to prevent pressing which cause the poison bag of the sting to release more poison
* Wear protective clothing always.

1. ***State the effects of parasites on livestock (7mks)***

* Cause anaemia by sucking large volume of blood
* Deprive the host animal of food leading to loss of weight, emaciation and low production
* Cause injury and damage to tissues and organs
* Transmit livestock diseases
* Cause irritation through their biting effect
* They obstruct internal organs.

1. ***Discus East Coast Fever (E.C.F) disease under the following sub-headings***
2. ***Causal organism (1mk)***

Cause: Protozoa/*Theirelia parva*

1. ***Mode of transmission (1mk)***

Brown ear tick

1. ***Symptoms of attack (6mks)***

* Swollen lymph nodes especially around the base of the ears, shoulders and stifle joint
* Animal produces a lot of saliva/profuse salivation
* A lot of tears come out of the eyes/lachrimation
* Difficulties in breathing especially at late stages of the disease due to fluid accumulation in the lungs
* Haemorrhages in the vulva and the mouth
* Coughing
* Sight impairment

1. ***Control and treatment***

* Control of ticks (accept any method of tick control)
* The farm should be fenced to keep out strange animals and also to confine animals within.
* Treatment using appropriate drugs

1. ***a) State five functions of water in an animals (5mks)***

* component of body cells and many body fluids e.g. blood
* transport nutrients from one part of the body to another.
* Make cells turgid, maintaining the shape of body e.g. digestion
* Regulates body temperature through sweating and evaporation
* Help in the excretion of waste products from the body.
* It forms part of animal products e.g. egg etc.
* Used in biochemical reactions in the body e.g. digestion.

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1. ***State the uses of five metal work tools and equipment (10mks)***

* Hack saw – used for cutting metal rods and plates
* Cold Chisel – Used for cutting thick sheets of metal
* Tinsnips – used for cutting thin sheets of metal
* Pliers – used for cutting wires, splicing wires, tightening and loosening nuts and bolts
* Wire strainer – used for tightening wires during fencing.
* Ball pein hammer – used for riveting, striking the head of cold chisel, straightening bent metal surfaces
* Center punch – used for marking the point of drilling.
* Riveting machine – used to fix rivets when joining pieces of metal or plastic materials
* Soldering gun – used for melting soldering rods when repairing or fabricating metal sheets
* Claw bar – used for removing long nails from wood; straining fence wire, digging fencing holes
* Spanner – Tightening and loosening nuts and bolts.

1. ***Describe five general characteristics of dairy cattle breeds (5mks)***

* Wedge/triangular shaped body
* Have straight top line
* Have a well set apart hindquarters to allow room for the big udder.
* Have larger and well developed udder with larger teats that are well spaced.
* Have prominent milk veins
* Have lean bodies with little flesh
* Have large stomach capacity
* They are docile with mild temperament

1. ***a) Describe functions of five parts of a plunge dip. (10mks)***

* Animal holding yard – where animals assemble before dipping
* Foot bath – wash the animals feet, control foot rot.
* Jump – allows animals to slide into the dip tank
* Dip tank – holds the dip wash.
* Draining race – allows dip wash from animal’s body to drip off and drain back to the dip tank
* Drying yard – hold animals for a while after dipping before being released to the pastures
* Silt trap outlet – traps mud and dung from the dip was before it flows back into the dip tank.
* Dip tank shelter – lowers evaporation of dip wash, avoid dilution of dip wash by rain water, serves as a roof catchment for collecting rain water into the water tank
* Water tank – for storing water either from the roof catchment or from any other source.
* Waste pit – used as damping site for sediments from the dip tank

1. ***Describe five importance of good vaccine. (5mks)***

* Immunity it produces should be as good as natural immunity

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* Should have a long keeping life/shelf life
* Should be easy to administer to the animal
* Should have no side effects when inoculated
* Should be compatible with the other vaccines given to the animal
* A single dose should produce lifelong immunity

1. ***State five importance of keeping live stock healthy. (5mks)***

* Health animals grow well and fast enough to reach maturity quickly/early
* It gives animals a longer economic and productive life
* Healthy animals give maximum production/performance
* Healthy animals produce good quality products
* Healthy animals will not spread diseases to either animals or human beings
* Healthy animals are economical and easy to keep as the farmer spends less money on disease treatment, hence reduction of production cost leading to maximum profit

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