

TIME: 2 HRS 45MINS  
DECEMBER, 2021

## SAMIA SUB-COUNTY JOINT EXAMINATION

Kenya Certificate of Secondary Education

Name:..... Index No .....

Candidate's Signature..... Adm. NO. ....

School:..... Stream:.....

### Instructions to candidates

- Write your Name and Index Number in the spaces provided above,*
- Sign and Write the Admission number in the spaces provided above;*
- This paper consists of two Sections; A and B.*
- Answer all the questions in Section A.*
- Answer question 6 and any other two questions from Section B.*
- Answers must be written in the spaces provided at the end of question 10.*
- This paper consists of 4 printed pages,*
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
- Candidates should answer the questions in English.*

### For Examiner's use only

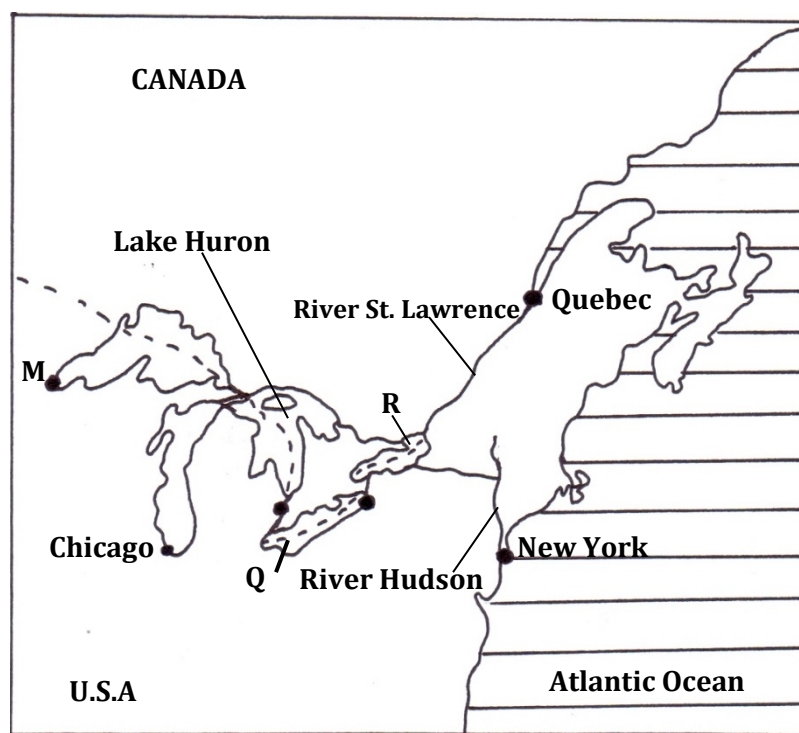
Section	Question	Maximum score	Candidate's score
A	1 – 5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

## SECTION A (25 MARKS)

### ANSWER ALL THE QUESTIONS IN THIS SECTION

- 1.a). Define the term energy crisis (2mks)
- b) State **three** limitations of using solar energy (3mks)
2. a) Give **two** problems facing river transport in African. (2 marks)
- (b) The diagram below shows the Great Lakes and the St. Lawrence sea way.

Use it to answer the questions below.



Name the lakes **M**, **Q** and **R**. (3mks)

3. a) Apart from tropical hardwood forests name two other types of natural forests (2mks)
- b) State **three** problems experienced in exploitation of tropical hardwood forests (3mks)
4. a) Give **three** physical factors that favour coffee growing in Kenya highlands (3mks)
- b) State **two** problems facing coffee farming in Kenya (2mks)

5. a) Give **three** types of fish (3mks)

b) List **two** traditional methods of fishing (2mks)

### SECTION B

Answer question 6 and any other two questions from this section

6. The table below shows crops production in Kenya for a period of five years in 1000 kilograms. Use it to answer question (a)

CROP/YEAR	2005	2006	2007	2008	2009
Coffee	1000	900	800	700	800
Tea	700	700	600	680	600
Cotton	500	400	300	600	350
Pyrethrum	300	200	300	440	450

(a) (i) Using a scale of 1 cm represent 200 kilograms present the above data using a compound bar graph. (9 marks)

(ii) List **two** advantages of using a compound bar graph to represent statistical data. (2mks)

(b)(i) Other than Ghana, name other two countries West Africa where cocoa is grown (2mks)

(ii) State **three** physical conditions that favor the growth of cocoa in Ghana. (3mks)

(c) Describe how cocoa is processed in Ghana (6mks)

(d) Give **three** importance of cocoa production to the economy of Ghana. (3mks)

7. Study the photograph shown below and use it to answer the following questions.



- a) i) Identify the type of the photograph shown above. (1mks)
- ii) Identify **two** characteristic of the photograph shown above. (2mks)
- iii) Give **three** parts of a photograph. (3mks)
- b) Name the type of mining method shown above. (1mks)
- c) Explain how the method named above (b) is carried out. (6mks)
- d) Explain **four** negative effects of the above method of mining on the environment. (8mks)
- e) Draw a sketch diagram to represent the photograph shown above. (4mks)

8. a) (i) Define the term land rehabilitation (2 marks)
- ii) Apart from irrigation, name **three** other methods of land reclamation in Kenya. (3 marks)

- b) Explain **three** problems facing irrigation farming in Kenya. (6 marks)
- c) Describe the stages of polderization in the Netherlands (5 marks)
- d) You intend to carry out a field study on irrigation farming in Mwea

Tebere irrigation scheme

i) Identify the **two** types of hypothesis you would develop for the study  
(2mks)

ii) Name **five** crops grown in the scheme that you are likely to identify

(5mks)

iii) Give **two** reasons why you need to sample the area of study (2mks)

9. (a) i) Define the term industrial inertia (2mks)

ii) Give **three** causes of industrial inertia (3mks)

b) Name **three** agricultural non-food processing industries in Kenya (3mks)

c) i) What is cottage industry (2mks)

ii) List **four** ways in which Jua Kali industries is important to the Kenyan economy  
(4mks)

d) i) State **three** problems facing cottage industry in India (3mks)

ii) Explain **four** factors that led to the development of iron and steel industry in the Ruhr region of Germany (8mks)

10.a) i) What is environmental management (2mks)

ii) Give **four** reasons why it is necessary for Kenya to conserve her environment (4mks)

b) Explain **four** measures that can be taken to combat pollution

(8mks)

c) i) Name **five** types of wastes found in urban areas (5mks)ii)

Explain three ways in which wastes in urban centres can be managed

(6mks)