

**BUTALEJA DISTRICT ACADEMIC BOARD
PLE MOCKS 2024
INTEGRATED SCIENCE**

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX No.

Candidate's Name:.....

Candidate's Signature:.....

Random No.

							Personal No.
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Read the following instructions carefully.

1. This paper has two sections: A and B.

Section A has 40 Questions (40 marks) and B has 15 Questions (60 marks).

2. Answer all Questions in both sections. All answers in both sections must be written in the spaces provided.

3. All answers must be written in Blue or Black ball point pens or ink. Only diagrams and graph work must be done in pencil.

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QN. No.	MARKS	INITIALS
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A

1. Name the main natural source of water in the environment

2. In which way is moisture useful in a germinating seed?

3. Name the drug found in tobacco which causes narrowing of blood vessels.

4. How does brushing of teeth help to promote personal hygiene?

5. Which layer of soil is greatly affected by leaching?

6. State the behavior of salt when put in water

7. Name the type of change that occurs in a burning filament.

Study the diagram below and use it to answer question 8 and 9.



8. How is the organism shown above adapted to its mode of feeding?

9. What is the function of part marked X to the organism.

10. Why do people misuse drugs?

11. Mention any one harmful waste removed from digested food as it goes through the liver.

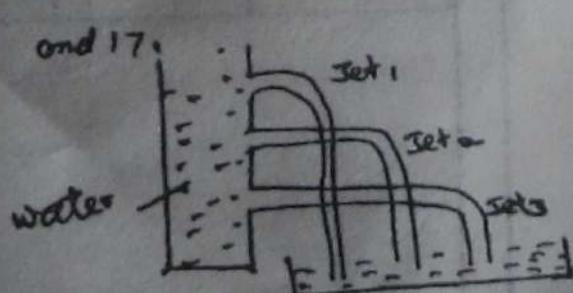
12. How is yeast different from a mushroom in terms of reproduction?

13. Identify one human activity that can lead to soil erosion.

14. Name the component of blood which carries oxygen.

15. Which body organ is extremely affected by alcoholism?

Use the diagram below to answer the questions 16, 11 and 17



16. Name the property of water shown above.

17. Give one reason why water pours at different levels.

18. What is sanitation?

19. Why are tiles not recommended to be put in school compounds?

20. Which type of reflection is produced by smooth shiny and polished surfaces?

21. How does debeaking of birds help to control egg-eating.

22. In which way does a sweater keep our bodies warm during cold weather?

23. State one disorder of the muscular and skeletal system.

24. How best can live stock keepers control indo-parasite?

25. Calculate the volume of an object of mass 12g and density of 0.9/cc

26. Which process of making alcohol requires the use of fungus organism?

27. How is the washing of hands after visiting the latrine an important habit?

28. On which component of the environment do we find human beings?

29. Name the root that climbs others for support.

30. Identify any one cause of road accidents.

31. Write the similarity between a fuse and a switch.

32. State the adaptation that enables sea mammals to live in water.

33. Write any one primary sex characteristic in adolescent girls.

34. What name is given to water in gaseous form?

35. Give any one example of a tick borne disease in cattle.

36. Why are there few drone bees in a hive?

37. How is a housefly able to carry germs?

38. How is a canine tooth adapted to its function?

39. Write the immunisable disease that has similar signs and symptoms like AIDS.

40. Name the deficiency disease that affects human eyes

SECTION B

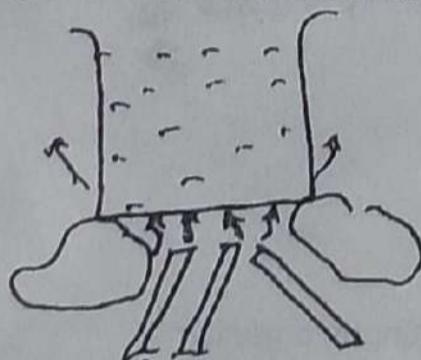
41. Name anyone requirement needed when cleaning clothes.

a) Identify one way of preventing clothes from staining others when cleaning them.

b) How are the following steps important during the cleaning of clothes?

- i) Ironing _____
- ii) Rinsing _____

42. The diagram below shows a saucepan with water on fire.



a) What type of fuel is used to produce heat?

b) How does heat get uniformly distributed in the water?

c) With the help of arrows, show the movement of water molecules when heated.

d) Why does alcohol mixed with water evaporate first when boiled together.

43. a) State any two effects of sexual deviations among human beings.

i _____

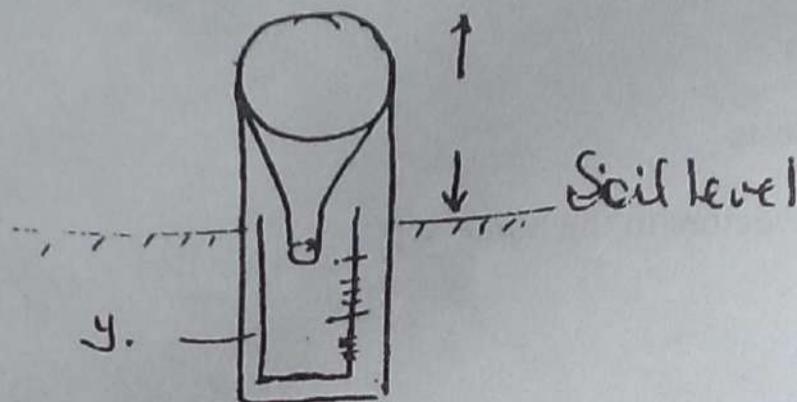
ii _____

b) Write down any two social problems among youth.

i _____

ii _____

44. Study the diagram below and use it to answer the questions about it.



(a) What name is given to the instrument shown above?

(b) Why is part of the instrument above buried into the ground?

c) How is part marked Y important to crop farmers.

(d) Name any one place where such an instrument is found.

44.(a) What do you understand by the term "magnet"?

(b) State how a magnet is useful to the following:-

(i) Doctor _____

(ii) Pilot _____

c) How can a permanent magnet be made to lose its magnetism?

46. How are cereals commonly preserved before storage?

(b) Why is it important to ensure that cereals are properly dry before they are stored?

c) Which method of preserving fish is dangerous to the environment?

d) Which food nutrient is obtained from fish?

47 match the items in A with those B

A	B
Insecticides	weeds
Acaricides	crop pests
Pesticides	insect vectors in the home
Herbicides	Ticks

Insecticides _____

Acaricides _____

Pesticides _____

Herbicides _____

48. Mention two local materials used for making playing items.

(i) _____

(ii) _____

(b) Apart from making playing materials how else can local materials be useful to people?

c) Why is it not good to play football with long fingernails?

49. The illustration below shows a food chain, use it to answer question.

Grass → Caterpillars → birds → Man → Bacteria

(a) What is the main source of energy in the illustration above?

(b) What do the arrows represent in the chain above?

(c) In the chain above , what is referred to as

(i) Producer _____

(ii) Consumer. _____

50. Write down any one law of reflection of light.

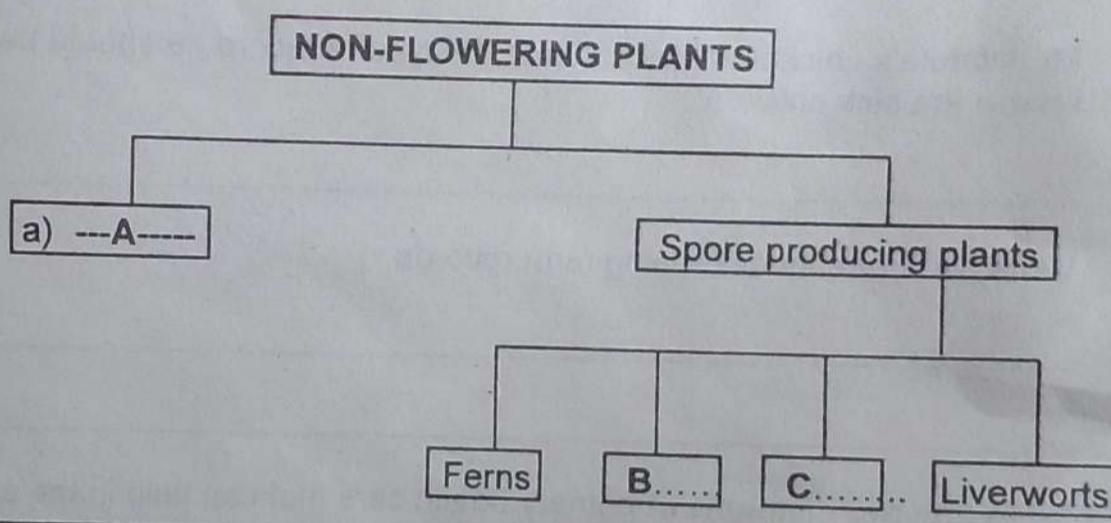
(b) Outline any two characteristics of images formed by plane mirrors.

i _____

ii _____

c) Identify any one importance of reflection of light in our daily life

51. The table below shows classification of non-flowering plants. Study and use it to answer questions that follow.



A _____

B _____

C _____

b) Give one characteristic of non-flowering plant.

52. (a) Write two methods of heat transfer in matter

(i) _____

(ii) _____

(b) Why are gaps left between rails when constructing railway?

(c) In which state of matter does heat travel fastest?

53. (a) Give any two functions of blood plasma.

(i) _____

(ii) _____

(b) Why are red blood cells red in colour?

(c) Name any one disease that destroys red blood cells.

54. (a) What are farm records?

(b) Mr. Wafula's chicken fell sick, name the type of record he should use to record the sick chicken.

(c) Write two benefits of keeping farm records

(i) _____

(ii) _____

55. (a) Write any two elements of primary health care that can help in the control of Communicable diseases.

(i) _____

(ii) _____

(b) Give any two ways of promoting health education in the community.

(i) _____

(ii) _____

END

BUTALEJA DISTRICT ACADEMIC BOARD
P.L.E MOCK EXAMINATIONS 2024
MATHEMATICS

TIME ALLOWED: 2 HOURS 30 MINUTES

INDEX No.

						Personal No.

Candidate's Name:.....

Candidate's Signature:.....

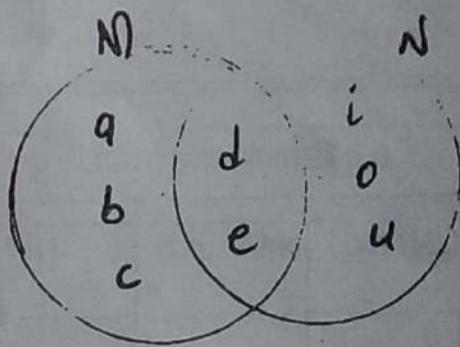
Random No.

Read the following instructions carefully.

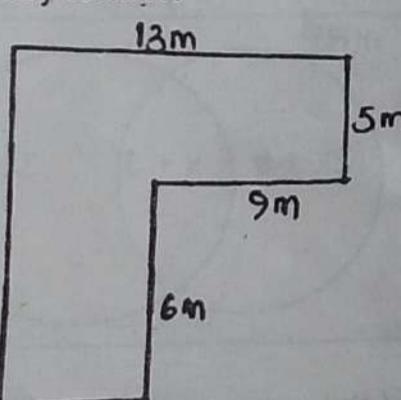
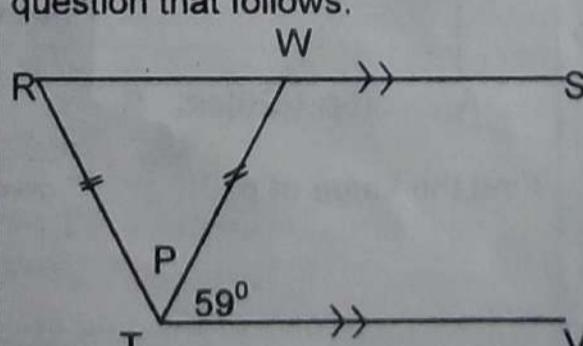
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QN. No.	MARKS	INITIALS
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

1	Workout: 100-1	6	A 40 minutes lesson ended at 4:30pm At what time did the lesson begin?
2	Write 2024 in words	7	Workout <u>1 + 2</u> 3 5
3	Study the venn diagram below and answer the questions that follow.  List down the elements of set N.	8	Increase shs. 15,000 in the ratio of 8:5.
4	Arrange $\frac{1}{2}$, $\frac{3}{5}$, $\frac{3}{4}$ in descending order.	9	In the space below, construct an angle of 30° using a pair of compasses and ruler only.
5	Express 144km/hr as m/s	10	Fill in the missing prime factors in the factor tree below.
		11	Workout: Weeks Days 7 4 - 3 6



12	Find the next number in the sequence below. 49, 64, 81, 100, _____	17	Pupils of P.7 class were told to stand on a line. Mutyere was the 4 th from one side and the 6 th from the other side of the line. How many pupils were standing on the line?
13	Find the digit that should be written in the box to make the whole number divisible by 11: 67 <input type="text"/> 390	18	Solve: $\frac{r}{4} - 3 = 2$
14	Below is a piece of land owned by a poultry farmer.	19	Given that $t = \frac{2}{7}$ and $P = \frac{4}{21}$ Evaluate $\frac{t}{P}$
			
	Calculate the perimeter of the piece of land.	20	On the diagram below, line \overline{RS} is parallel to line \overline{TV} and $\overline{RT} = \overline{TW}$. Study it carefully and answer the question that follows.
15	Tom scored the following marks in a series of tests. 80, 60, 20, 65, 70, 40. Find his median mark.		
16	Round off 799.76 to the nearest ones. <input type="text"/>		Workout the value of P. <input type="text"/>

SECTION B21 (a) Find the place value of 4 in 340_{five} .

22 (b)

Workout the area of a metallic sheet

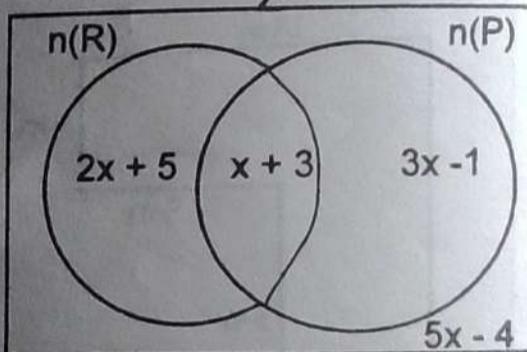
(3mrks)

(1mrks)

(b) Workout: $210_{\text{five}} - 143_{\text{five}}$

23

On the Venn diagram below, the number of members of staff who like Rice (R) is equal to the number of members of the staff who like neither of the two types of food.

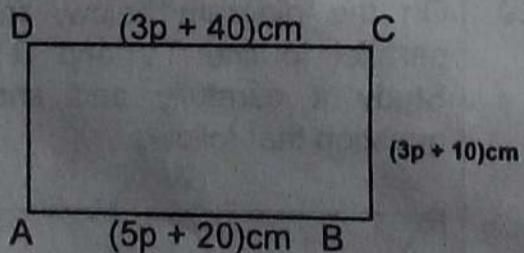
 $\Sigma =$ (c) Given that $22_r = 30_{\text{four}}$. Find the value of r.

(3mrks)

(a) Find the value of X

(2mrks)

22 The figure below shows a metallic rectangular sheet. Use it to answer the questions that follow.



(2mrks)

(a) Find the value of p.

(b) How many members are on this staff?

(2mrks)

(c)	What is the probability of picking a member from the staff who likes Posho only to become the headteacher? (1mrk)	26	Workout: $\frac{0.32 \times 1.2}{0.4 \times 0.016}$ (3mrks)								
24	In Muliro village, the ratio of men to women to children is 2:3:5 respectively, if there are 70 more women than men in the village.	(b)	Simplify $\frac{1}{2} - \frac{3}{4} + \frac{4}{5}$ (2mrks)								
(a)	What is the total population of the village? (3mrks)		<input type="text"/>								
(b)	How many more children than women are in that village? (1mrk)	27	<p>Use the number – line below to answer the questions that follow.</p> <p>Write the integers represented by the arrows. (1mrk each)</p> <table border="1"> <thead> <tr> <th>Arrow</th> <th>m</th> <th>n</th> <th>p</th> </tr> </thead> <tbody> <tr> <td>Integers</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(b) Write the mathematical statement describing the movement of arrows. (1mrk)</p> <p><input type="text"/></p>	Arrow	m	n	p	Integers			
Arrow	m	n	p								
Integers											

- 25 Using a pencil, a ruler and a pair of compasses only. Construct a quadrilateral ABCD such that $AB = 6\text{cm}$, $\angle ABC = \angle BAD = 60^\circ$ and $AD = BC = 3\text{cm}$.

(5mrks)

- 28 Namarome went to the super market and bought the following items shown on the table below.
Study it carefully and complete it.

(a)

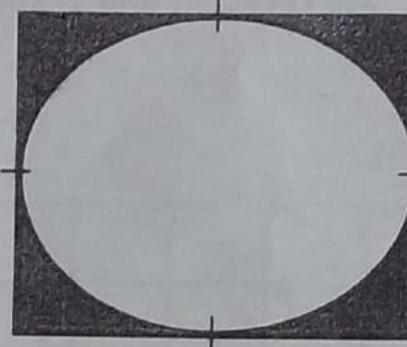
Item	Quantity	Unit Cost	Total Amount
Sugar	2 $\frac{1}{2}$ kg	4000 per kg	Shs _____
Soap	_____ Bars	2000 per bar	Sh 10000
Bread	3 loaves	_____ Per loaf	Sh 13500
Blue band	_____ Tins	2500 per tin	_____
Total			Shs 43,500

28
(b)

(5mrks)

29
(a)

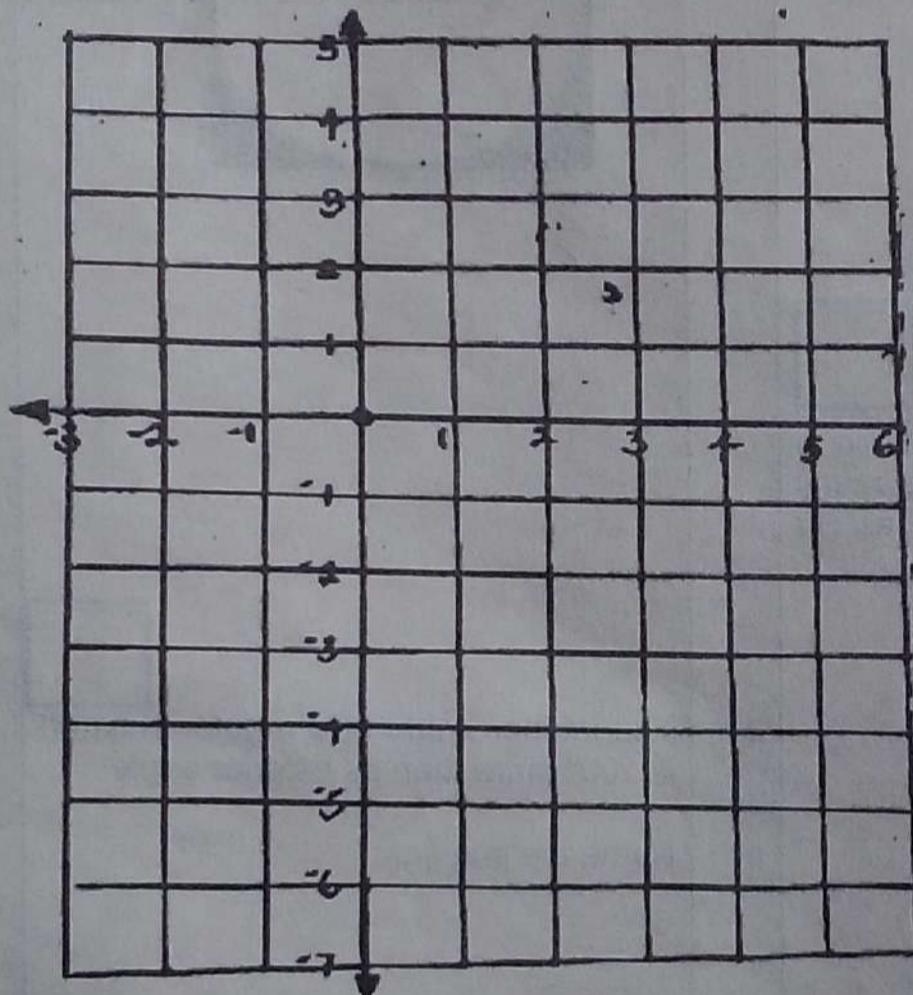
(b)

28 (b)	<p>If she was left with sh 6500 in her pocket, how much did she have at first?</p> <p style="text-align: right;">(1mrk)</p>	30	<p>In the figure below, the area of the shaded part is 42cm^2. Find the value of P. $\pi = \frac{22}{7}$</p> <p style="text-align: right;">(4mrks)</p> 
29 (a)	<p>Obote is 13 years old now. Amin is 36 years old now. In how many years' time will Amin be twice as old as Obote?</p> <p style="text-align: right;">(3mrks)</p>	31	<p>The interior angle of a regular polygon is 100° more than its exterior angle.</p> <p>a) Name the polygon. (2mrks)</p> <p>b) Workout its interior angle sum. (3mrks)</p>
(b)	Which year will this be? (2mrks)		

32. (a) Use the co-ordinate graph below to plot the following points.

W(+2, -2), X(+5, -2), Y(+2, -6) and Z(+5, -6).

(4mrks)



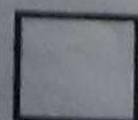
(b) Join the points W to X to Y to Z to W.

(1mrk)

(c) Name the figure formed.

(1mrk)

END



**BUTALEJA DISTRICT ACADEMIC BOARD
PLE MOCKS 2024
SOCIAL STUDIES**

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX No.							Personal No.		
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SECTION A

1. Name the Island country crossed by the Tropic of Capricorn.
2. Why does the lee ward side of a mountain receive little rainfall?
3. In which way have Ugandans benefited from the East African Community?
4. How is Lake Kyoga different from Lake Albert in terms of their formation?
5. Why did Dr. Kwame Nkrumah organize pan African meeting in Ghana in 1958?
6. Give any one reason why the government of Uganda introduced Universal Primary Education (UPE)
7. State one way an oasis is important to the people who live in the Sarahadesert.
8. Which group of people introduced iron smelting in Uganda?
9. Why did the River- Lake Nilotes change from pastoralism to mixed farming?
10. Why do people in Equatorial regions build houses with slanting roofs?
11. What is population density?
12. Why was Africa known as a dark continent by the Europeans?
13. Give one reason why crop farmers in hilly area terrace their land.
14. Name the body responsible for conducting and organizing elections in Uganda
15. Which animal is mainly for transport by the Sabinyof Uganda?
16. How do people benefit from the maize mill found in their area?
17. State one reason why dairy farming is not practiced in Karamojasub-region?
18. Name the social service Centre where the law breakers are reported.
19. Why is Kabale cooler than Moroto?

20. In which way is the Equator similar to the prime meridian?

.....
21. Name the tax charged on imports.

.....
22. Why is English used in Uganda as an official language?

.....
23. How is democracy practiced in schools?

.....
24. In which type of weather do people put on light clothes?

.....
25. Give one economic importance of game parks in Uganda.

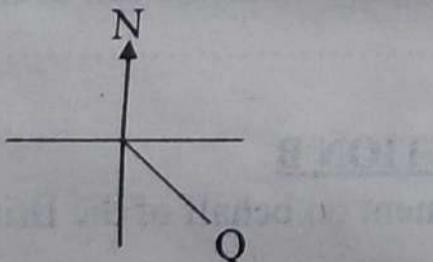
.....
26. What is culture?

.....
27. Why do we need markets in our community?

.....
28. Give one way one can become a leader in Uganda.

.....
29. How did the discovery of fire bring a change to the life of early man?

.....
30. Name the compass point market Q



.....
31. How is too much rainfall dangerous to a farmer?

.....
32. What is the role of a secretary for defense on LC1 executive community?

.....
33. Mention the force that led to the formation of Block Mountains.

.....
34. What is vegetation?

.....
35. What title is given to the head of the central bank of Uganda

For each of the question 36 to 40 answer Either the Christian or Islamic question but not both No. marks will be awarded to a candidate who attempts both alternatives in a particular number.

36. Either: Who rescued the Israelites from Egypt?

.....
Or: Who was the first convert of Prophet Muhammad?

37. Either: Give the name of the first five Books in the Bible?

.....
Or: Name the holy book that prophet Dauda received.

38. Either: Which sacrament intrudes one into God's family?

.....
Or: which pillar introduces one into Islam?

39. Either: which type of prayer is said on behalf of another person for forgiveness?

.....
Or: Name the obligatory prayer that is said on the first day of Shawaal after sunrise

40. **FOR BOTH;** State any one way Christians/Moslems can overcome suffering

SECTION B

41. (a) Who signed the **1900** Buganda agreement on behalf of the British?

.....
b) State any two terms of the **1900** Buganda agreement.

- i
ii

.....
c) Name any one effect of the 1900 Buganda agreement.

42 a) Match the type of climate to the famous economic activities carried out there.

A TYPE OF CLIMATE

- i) Mediterranean Climate
- ii) Temperate Climate
- iii) Equatorial climate
- iv) Tropical Climate

B. ECONOMIC ACTIVITIES

- Plantation farming
- Citrus fruit farming
- Tourism
- Rearing of merino sheep

- i) Mediterranean Climate
- ii) Temperate Climate

- a) What name was given to country **B** during colonial days?
- b) How is partmarked **D** economically important to country **K**?
- c) Name the European explorer who followed the route shown on the map.
- d) Give a reason why the shaded region on the map was transferred from Uganda to Kenya by the British.

46 a) write short noes about the following pan Africanists;

i) Henry Sylvester Williams

ii) Booker T. Washington

b) Mention two means pan Africanists used in the struggle to liberate Africa.

i

ii

47 a) Write IBEACO in full.

b) How did missionaries benefit from the activities of IBEACO.

c) Give any one reason why the Sudanese soldiers staged a mutiny against their leader.

a) Whowas the first British governor of the Equatorial province.

State the main reason why Egypt wanted to colonize Uganda.

- iii) Equatorial climate
- iv) Tropical Climate

43 a) What is meant by the term great Trek?

b) Give any one cause of the Great Trek.

c) Mention any two effects of the Great trek.

i.....

ii.....

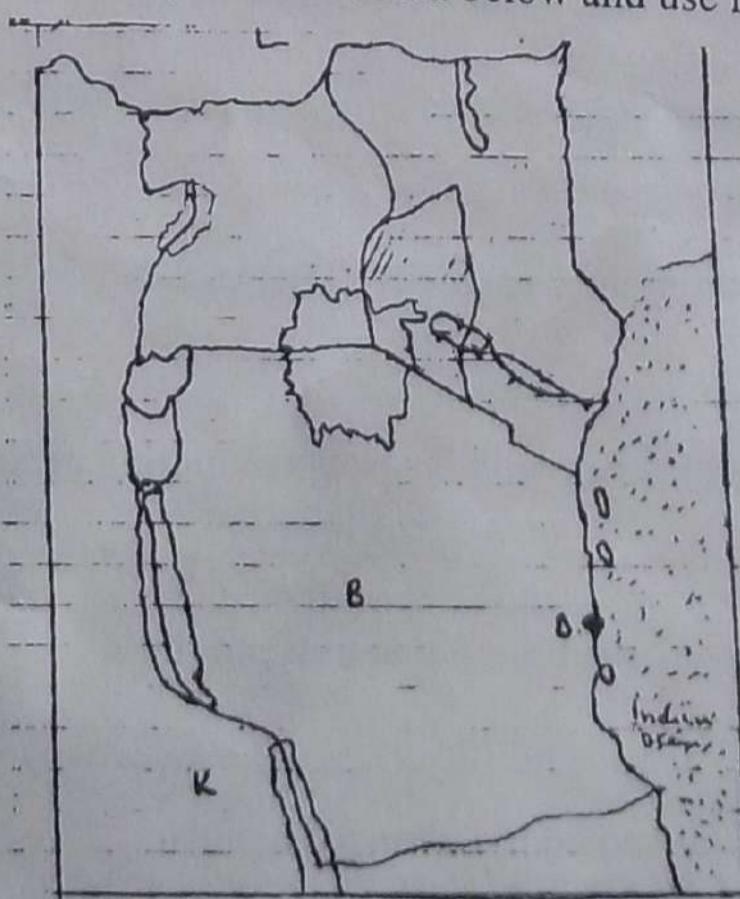
44 a) Name the first Portuguese explorer to reach the Coast of East Africa.

b) State the use of a compass to a sailor.

c) Give one reason why the Portuguese explorers wanted to find a sea route to India.

d) State any one reason why the Portuguese were interested in the coast of East Africa.

45. Study the sketch map of East Africa below and use it to answer questions that follow;



c) Why did the people of Northern Uganda turn against Emin Pasha?

.....

d) Who rescued Emin Pasha from the Equatorial province?

.....

49 a) Mention two reasons why the government of Uganda introduced Parish Development model (PDM)

i.....

ii.....

b) Give any two advantages of rural electrification.

i.....

ii.....

50 a) what is decentralization?

.....

b) State any one way decentralization is practiced in Uganda.

.....

c) Mention any two advantages of decentralization.

i.....

ii.....

For Questions 51 to 55 answer Either Christian OR Islam questions but NOT both.

No marks will be awarded to anyone who attempts both alternatives in a particular number.

51.EITHER

a) Give the meaning of the term the "Holy Trinity" in Christianity.

.....

b) Write one duty of each the three persons of the Holy Trinity.

i) God the Father

.....
ii) God the Son

.....
iii) God the Holy Spirit

OR.

a) What is the meaning of the term Caliphs?

.....
b) Name the caliph who was killed by rebels.

.....
c) Apart from the Caliph you have named in (b) above, name any other two caliphs
you know.

i.....

ii.....

52. EITHER

a) Who is a Martyr?

.....
b) Name the first Martyr according to the Bible.

.....
d) Who was the chief executioner of the Uganda Martyrs?

.....
e) State any one lesson you learn from the Uganda Martyrs.

OR

a) Who is a Martyr?

.....
b) Name the first Martyr according to the Quran.

.....
c) Who was the chief executioner of the Uganda Martyrs?

.....
d) State any one lesson you learn from the Uganda Martyrs.

53. EITHER;

- a) Name the son of Jacob and Racheal who became a great governor in Egypt.
.....
- b) According to the old-testament, how did the son named in (a) above reach Egypt?
.....
- c) Write one lesson Christians learn from the story of Jacob and Esau.
.....
- d) Give any one promise God made to Israel.
i.....

OR:

- a) Name the son of Yaqub and Rahil who became a great governor in Misiri.
.....
- b) According to the Quran, how did the son named in (a) above reach Misiri?
.....
- c) Write any one lesson Muslims learn from the story of the son named in (a) above.
.....
- d) Give any one promise Allah made to Yaqub.
.....

54. EITHER.

- a) Write UJCC in full.
.....
- b) Write any two religious denominations under UJCC.
i.....
ii.....
- c) Give any one role played by UJCC.
.....

OR

- a) Write UMSC in school.
.....
- b) Give two roles played by UMSC.
i.....
ii.....

c) Mention any one problem face by UMSC.

55. EITHER

"If you are really God's Son, order these stones to turn into bread" (Mathew 4:3)

a) Who said the above words?

b) To whom were the above words said?

c) Where were the above words said?

d) Write one lesson learnt from the person named in (b) above.

OR.

"Fasting has been prescribed to you as it was for those before you"

(Quran 2:183)

a) Which month was prescribed for Muslims to fast?

b) Give two groups of Muslims that are exempted from fasting.

i.....

ii.....

c) Give any one way in which fasting is important to Muslims.

END