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MATHEMATICS

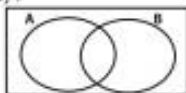
11. One pound costs Ug. Shs. 4420 and the same pound costs K.sh. 130. How much does K.sh 1 cost in Uganda shillings?

SECTION A

1. Work out: $35 + 15$

2. Find the value in the box
 $\square - 11 = 17$

3. On the Venn diagram below, shade (AUB).



4. Express CML in Hindu Arabic numerals.

5. Multiply: 3×-2 using a number line below.



6. If 27% of a P7 class are girls, what is the percentage of boys?

7. Water and milk are mixed to make tea in the ratio of 3 : 1 respectively. How many litres of milk are in 24 litres of tea?

8. Use a pair of compasses, rule and a pencil to construct an angle of 135° .

15. Use distributive property only to work out: $(5 \times 24) - (12 \times 5)$

9. Bingi rode from her home to the market at a speed of 18 km/hr for 40 minutes. How far is it from the market to home?

10. The graph below shows the number of goats sold by farmers. Find the total number of goats sold.



14. Solve: $\frac{t}{2} + t = 9$

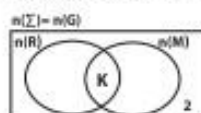
12. The L.C.M of two numbers is 24 and their H.C.F is 4. If one of the numbers is 12, find other numbers.

13. Set C has 15 proper subsets. How many elements does set C have?

16. KK club scored the following goals in several games:
 1, 2, 3, 2, 1, 2.
 What was the modal frequency?

SECTION B

17. During family gathering, all members ate greens (G), 15 people ate both Matooke (M) and Greens only, 25 people ate both greens and rice (R) and k ate all the three items while 2 people ate greens only.
 (a) Complete the Venn diagram below.



(b) If 27 members ate matooke, calculate the value of k.

(c) Find the probability of picking a member random who ate only two items.

19 (a) Convert 10110_{two} to base four.

b) Work out: $2(2+x) = 8 \times 22$

18. A mother purchased the following items:-

5 bottles of soda at sh. 1,200 per bottle.

3kg of rice at sh. 12,000

2kg of meat at sh. 15,000 per kg

250gm of salt at sh. 1200 a kilogram

If he was given a change of sh. 2000, How much money did she have?

20. a) Ben gave out $\frac{2}{3}$ of his mangoes to the children, $\frac{1}{4}$ of the remainder to the visitors and he remained with 3 mangoes. Find the number of mangoes he had at first.

b) For how long will sh. 30,000 yield an interest of sh. 6000 at 4% p.a rate?

21. The table below shows the number of eggs collected by different farmers. Use it to answer the questions that follow.

No of eggs	40	35	70	50	90
No of farmers	3	2	2	2	1

(a) Find the range of eggs collected.

(b) Work out the mean of eggs collected.

22. Amuriat is 20 years younger than Sarah. In 15 year's time, Sarah will be twice as old as Amuriat.

(a) Find the age of Sarah now.

(b) How old will Amuriat be after 15 years?

23. a) With the help of a pair of compasses, a ruler and a pencil only, construct a parallelogram WXYZ in which $\angle Z = 120^\circ$, $XY = 5$ cm and $YZ = 7$ cm.

b). Measure angle WZX.

ENGLISH ANSWERS TO ISSUE 17 (11TH JULY 2024)

- 1.us
- 2.oppose
- 3.maintenance
- 4.better
- 5.will have woven
- 6.getting
- 7.itself
15. there?
16. and 17 consider usage
- 18.I'd
- 19.pp
- 20.The little boy has hurt himself.
- 21.She is nearly thirteen years old.
22. larvae
23. banjos
24. passers by
25. third, thrush,thus,thy, ticket
26. mechanic, spanner, spare, spoil
27. rough
28. Curses
- 29.pick
30. enough

- 8.cleanliness
- 9.strengthen
- 10.childhood
- 11.time
12. crowd
13. Both
14. discharged

31. It wasn't my intention to insult my neighbour.
32. I was given three new exercise books by the teacher.
33. What wonderful scenery the place had!
34. He was the one who welcomed us to the class.
35. My class teacher is the kindest man I have ever met.
36. If I had got the money,I would have bought that English textbook.
37. The more electricity you use, the higher your bill will be.
38. The headmaster will introduce the new by himself.
39. It is six months since I last heard from him.
40. This number is not divisible by three.
41. 1)The poster is about Kisozi Academy Science Fair.
- 2) The function will take place at

- Makerere University Main Hall,
- 3) Lane people are supposed not to pay to attend the science fair.
- 4)The notice was written on 4th June 2024.
- 5) The notice was written to invite people for the science fair at Makerere University Main Hall
- 6) The notice was written to both adults and children.
- 7.If Mr Kanya,his wife and their two children attended the fair , they would pay sixteen thousand shillings to the fair.
- 8 The fair will last for seven hours.
- 9 a. before noon
- b.after noon
- 42 HOME WORK SHOULD BE DONE
- points to note
- for research,
- correction
- avoid idleness

- to make revision
- passing examination
- discussing with friends etc
- 43A.a) The lion didn't kill the mouse because it pleaded with him and asked for forgiveness.
- b) thankful
- c) I think the mouse helped the lion because it did not kill it.
- d) I learn to forgive others
- e) THE LION AND THE MOUSE
- 43 B.a) Harriet's husband is Kenneth.
- b) Jasper and Anna produced three children.
- c) I think Tom cannot marry Angella because she is his sister.
- d) Winfred is a grand daughter to Anna.
- e) Joseph is a cousin to Patrick.

1	2	3	4	5	6	7	8	9	10
e	h	b	f	a	c	g	d	i	j

SOCIAL STUDIES



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SECTION A

1. Name the smallest country in the East African Community.

2. Why do people of Mbale wear heavier clothes than those of Moroto?

3. How is Lake Katwe similar to Lake Magadi economically?

4. Apart from wars, mention any other example of a human made disaster which can check the population of a country.

5. Why was the 1967 constitution of Uganda disliked by the traditional leaders?

6. State one immediate effect of swamp drainage?

7. Give any one cause of emigration.

8. Give any other product got from Petroleum apart from petrol.

9. Which group of people introduced salt mining around lake Katwe?

10. Why did the colonialists raise flags in their territories and protectorates?

11. How can the government of Uganda solve the problem of congestion in UPE Schools?

12. Why was Capt. FD Lugard liked by the Batooro.

13. State the major factor that enables thick forests to grow in Equatorial climatic regions

14. Why do most rivers in Africa flow towards the oceans?

15. Give the advantage Nigeria has over Uganda in terms of geographical location.

16. How was the relief of Ethiopia of an advantage in the struggle to protect their independence?

17. Give any one advantage tarmac roads have over murrum roads.

18. How did missionaries in East Africa support the activities of IBEACO?

Use the illustration to answer question 19



19. Why is there no vegetation at the place marked X?

20. Name any one document used to identify eligible voters during elections.

21. Mention any one positive effect for the coming of Arabs to East Africa.

22. State any one challenge facing the revived East African Community.

23. What contribution did Semei Kakungulu make towards economic development in Eastern Uganda?

24. Why was Sir Edward Mutesa II sent into exile in 1953?

25. How does police maintain peace?

FOR QUESTIONS 26 TO 30 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH IN A NUMBER.

26. Either Mention any one symbol of the Holy Spirit.

Or. Mention any one symbol of the Islamic faith.

27. Either: How did Abraham show his faith in God?

Or How did Ibrahim show his faith in Allah?

28. Either: In which way were the Apostles important to the growth of Christianity when Jesus Christ ascended to heaven?

Or: In which way were the caliphs important to the growth of Islam after the death of Prophet Mohammed?

29. Either: How does one join God's family?

Or: How does one become a muslim?

30. Either: What general name is given to the ten Commandments?

Or: Which holy book was revealed to prophet Musa?

SECTION B

31) How was Uganda's attainment of independence different from that of Kenya?

(b) state any two methods Africans used to demand for Independence

i)
ii)

c) Name the king of Bunyoro who was exiled to Seychelles Islands.

32. a) State two ways in which lakes and rivers are important to farmers in an area.

i)
ii)
(b) Give any two problems facing water bodies in Africa.

i)
ii)
33. Complete the table correctly.

Raw material	Product
Tobacco	a)
b)	Sacks
Cloves	c)
d)	Insecticides

34 (a) Why did the first Indians Come to East Africa?

(b) State any three positive contributions made by Indians in East Africa.

i)
ii)
iii)

35 (a) Name any two missionary groups that worked both in East Africa and West Africa.

i)
ii)

(b) Give any two differences between formal education and traditional education.

i)
ii)



Study the sketch map and answer question 36

36(a) Name the explorer who used the route marked - - - - -

(b) Why was the above explorer unable to reach the mouth of the river shown?

(c) Name the rapids marked with letter X.

(d) Mention any one economic importance of the part marked Y to Nigeria.

37 (a) What is a distributary?

(b) Why does river Congo pour large amount of water into the Atlantic ocean?

(c) Which feature is formed at the mouth of River Congo?

(d) Apart from River Congo, name any other river in Africa which forms the same feature named in "c" above at its mouth.

38 (a) What is the smallest political unit in Uganda?

(b) Mention the title given to the leader of the political unit mentioned in 38 (a).

(c) State any two duties of the leader mentioned in 38 (b).

i)
ii)

FOR QUESTIONS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH IN A NUMBER

39. Either: Why are the following people remembered in Christianity?

(i) Moses-

(ii) Job -

(b) Give two ways how prophets were important to the early Church?

i)

ii)

OR: Why are the following people remembered in Islam?

(i) Musa-

(ii) Ayub-

(b) Give two ways how prophets were important to early Muslims?

i)

ii)

40. Either: What is authority?

b) Who is the controller of all authority?

c) State any two qualities of a religious leader.

i)

ii)

OR: a) What is authority?

b) Who is the controller of all authority?

c) Give two qualities of a religious leader.

i)

ii)

INTEGRATED SCIENCE ANSWERS TO ISSUE 17 (11TH JULY 2024)

1. Lateral bud/ bud
2. Growth of pubic hair and hair on the chest and armpits/ growth of beards/ development of the masculine nature in a man
3. They have the weakest cohesion forces between them making them loose and free to move
4. They form humus that makes the soil fertile for his crops to grow well
5. By doing physical exercises/ by feeding on a balanced diet
6. It enables people to keep grass short in the compound.
7. It is formed during the formation of crude oil by remains of animals
8. Glucose / and oxygen
9. Food chain
10. Secondary consumers
11. It helps to prevent over and under dose
12. When the amount of water vapour blown up to the atmosphere is high and the vice versa
13. Top layer
14. $20^{\circ}\text{C} = 68^{\circ}\text{F}$

$^{\circ}\text{C}$	0	5	10	15	20	25
$^{\circ}\text{F}$	32	41	50	59	68	77

15. Difficulty in breathing/ bleeding or bruises on the skin/ vomiting/ coughing/ swellings on the skin of a pig
16. It makes alcohol pure or with no impurities
17. Bile
18. It is used for preserving semen and sperms used for artificial insemination
19. A fuel is anything burnt to produce heat or light
20. Tubal ligation
21. It prevents the ova from reaching the position where fertilisation takes place
22. The liver
23. To prevent breaking of eggs as they land on the floor.
24. They contract
25. It affects the kidney
26. To escape from their enemies/ direct sunlight to their hives/ when another queen has been born/ lack of water and flowers where the/ when the hive is leaking and damp
27. To prevent transferring disease

- to other health importance
28. It prevents the spread of rabbit diseases
 29. To trap their food/ for protection purposes/ it acts when ether
 30. It is opaque and can easily be/ it does not wet the glass/ it has a uniform expansion
- SECTION 8**
- 31.a) It leads to poverty/ it leads to argument to and quarrels which lead to fights / it leads to it leads to family neglect
 - b) Decision making/ effective communication/ copying with emotions / logical thinking
 - 32.a) in the living body cells
 - b) The air is not filtered and warmed before taking it into the lungs
 - c) It is surrounded with many blood capillaries that supply it with blood/ it is thin walled for easy diffusion into cells or investments
 - 33.a) It teaches people which family

- planning method to apply
- b) it leads to poor hygiene around the area/ it leads to easy spread of some diseases/ it leads to poor water supply
 - c) it creates awareness about some diseases/ it helps in the control and prevention of certain diseases
 - 34.a) Both lead to general body weakness/ both lead to loss of appetite/ both lead to general body pains/ both lead to high fever
 - b) Malaria parasites kill the red blood cells in the body
 - c) By feeding them on a balanced diet/ making them to sleep in treated mosquito nets/ taking them to the hospital
 - 35.a) Blood transfusion
 - b) It helps to add the volume of blood in the body of a patient
 - c) Blood group/ safety of the blood from diseases/ compatibility of blood
 - d) Feeding on a balanced diet/ taking iron supplement tablets
 - 36.a) i) To force mercury back to

- the bulb/ to reset it
- i) To sterilise it
 - b) A kink or constriction
 - c) It prevents contact with the patient
 - 37.a) Earthing up
 - b) It enables the plant to anchor well in the soil/ it enables the tubers to grow bigger/ it enables proper application of fertilizers
 - c) Cassava/ sweet potatoes / Irish potatoes
 - 38.a) Gizzard
 - b) It has grit that grind food into smaller particles/ it has very tough muscles that enable it grind food by contraction and expansion
 - c) i) It moistens food/ it softens food
 - ii) For picking food
 - 39.a) Adolescence
 - b) Development and enlargement of breast/ growth of pubic hair/ rounding of the hips
 - c) By abstaining from sex
 - 40.a) i) It helps to prevent foot rot/ it prevents animals from injuring