









once?

can hold 2.5litres, how many such cups can you obtain from a jerrycan of 20litres?

SECTION A

1. Multiply 7.5 by 10.

2. Write DCCL in words.

3. Given that K = {0,1,2,3}. How many proper subsets are in set K? .

4. Work out: 72 x 70

5. Kantu had a 2½kg of sugar. He gave ‡kg of it to his friend. How much sugar did he remain with?

6. Work out: 6 x 5 = _ __ (Finite 7).

7. Express 1111_{two} in base ten.

B. Find the solution set for the inequality: $-3 \le k < 42$

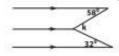
9. The mean of (y + 49),(y + 40) and 2y + 45) is 78. Find the value of y.

10. Express I:20am in a 24-hour clock system.

11. Work out the chance of a composite number showing up if a dice is thrown

12. Find the diameter of a circle whose circumference is 62,8cm.(pi=3.14)

13. Calculate the value of k in degrees



15. The pie chart below shows how Lozio spent her packet money of sh.240,000,



How much money does she spend on drinks?

16. a) What percentage of the figure below is unshaded?

b) If the shaded part represents the percentage of the salary that Obel saves, how money does Obel earn if he saves sh.sh.700,000?

PASS PLE

Mmande August 5, 2024

17.In a boutique, a skirt costs four- fifths the cost of a shirt and a bag costs sh 45,000 more than the cost of a skirt. Ali bought 3 skirts, I shirt and two bags. Find the cost of a bag if she paid sh. 340,000 for all the items he bought.

20. A wooden box full of ceramics cups weighs 22.3kg. The empty box weighs 3.4kg. How many cups are the box if each cup has a mass of 450g?

22.Mr Epugot spent his salary as follows: 31% on fees.29% on transport.

- $^{11}\!/_{20}$ of the remaining amount on food and saved the rest.If he spent

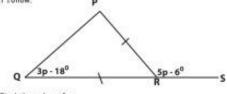
- sh.660,000 on food, find the amount saved?

18. A drum is nine tenths full of water, 4200 litres were used and it remained three eighths full How many litres does it contain when it is 23/14, full?

| Currency | Selling in Ugsh | Buying in Ugsh |
|-----------------|-----------------|----------------|
| 1 British pound | 4900 | 4800 |
| 1 US D | 3700 | 3600 |
| 1 Kenya (Ksh) | 45 | 39 |

21. Study the foreign exchange rates below and use them to answer the questions that follow:

a)Musa had Ug sh. 1,225,000, which he exchanged he exchanged into British Pounds(£). How much did he get? 23.5tudy the triangle below and answer the questions that follow.



a)Find the value of p.

19.a)Salve : 2" + 32 = 1

b)A tourist has Ksh,111,000 which she used to buy US dollars. How many dollars was she given?

b)What is the size of angle QRP?

b) Write 0.006074 in standard form.

INTEGRATED SCIENCE ANSWERS TO ISSUE 20 (1ST AUGUST 2024)

- 1. Sodium / potassium
- 2 Static electricity
- 3. By use of nitrogen gas
- 4. The density of water reduces/ decreases
- 5. Ovulation begins/ The ovaries start producing mature ova-
- 6. Family planning
- 7. To maintain moisture in the soil

- 9. Friction
- 10. Valves prevent the back flow of blood
- 11 Fermentation
- 12. The angle of incidence is equal to the angle
- of reflection 13 Drone bees 14. Some plants climb others for support and
- 15. The blubber helps to keep a whale worm while in water
- 16. To provide warmth for eggs to hatch
- 17. Treponema pallidum
- 18. Clearing bushes around the house/ covering the holes around the compound
- 19. Part B is used for protection from enemies
- 20.8y storing drugs in a cool dry place
- 21. Water softens the arganic matter which

- quickens the decomposition rate
- 22.A movable pulley reduces the effort used to lift a given load
- 23. Trachama spreads from one person to
- another 24. To measure the amount of electricity
- flowing in the circuit
- 25.Dispersal by wind
- 26.By using an hydrometer
- 27.Cackroaches do not have a backbone
- 28 Coffee/ tea / sisal
- 29 Essential drugs are cheap / essential drugs are readily available
- 30. The liver
- Section B
- 31 a) Screws
- b) Some are used for lifting vehicles with poor mechanical conditions og motor car jack
- c) An engineer vice / a mater car jack 32 a) Dosage prevents drug poisoning among
- potients b) Weight of the patient / the degree of
- illness c) Drug prescription enables the care taker to
- identify the right drug and dose to give 33 a) Melting is reversible

- b) Melting enables a mother to dissolve margarine ar butter when cooking food
- c) Steam from evaporation can lead to scalds on the skin
- 34 a) To prevent wind from carrying away the shade
- b) A nursery bed enables a farmer to select good and healthy seedlings to transplant / A farmers seedlings get enough care and protection
- c) A shade protects the seedlings from bad weather
- 35 a) Environmental pollution is the contamination of the environment with harmful substances
- b) Release of funes from industries/ release of funes from automotives / explosion of bombs / Bush burning
- c) By setting up strict laws against pollution/ By Forming organisations that look after and care for the environment og NEMA
- 36 a) Prolonged breast feeding prevents frequent birth by delaying the mothers
- b) It enables a child to get enough immunity .
- c) Breast feeding boosts up the child's

- immunity / Breast milk is ever ready and at right temperature/breast milk contains all food values for a child
- 37 a) parallel beam
- b) It is used to make spectacle which correct eye defects
- c) short sightedness (myopia)
- d) The above lens pushes the image to be formed on the retina
- 38 a). Calyx - Protects the flower at bud stage.
- b) Stonen -Produces male gametes
- c) Corolla -Attracts pollinators
- Receives male gametes d) pistil . 39 a) Natural broading is when a mother hen
- offers care and protection to its own chicks b) Natural broading is cheep / It does not
- require much care and attention
- 40 a) Blood vessels
- b) Blood fights against disease causing germs in the body / Blood distributes heat all over the body/ blood transports exygen to all body parts / blood transports antibodies to areas
- c) By bring blood to the skin surface (transporting blood)

- 2. How do forests influence the climate of an area?
- 3 Name the cash crop which is processed at a ginnery
- 4. State any one negative effect of the Berlin Conference of 1884 to Africa.
- 5 What type of trade is carried out between two countries
- 6. How was the IBEACO helpful to the early missionaries in East Africa?
- 7. Why is the Niger delta of Nigeria densely populated?
- 8. How are farmers useful to the community?
- 9. State the factor that led to the growth of Nyamwezi empire during long distance trade.
- 10. Give one advantage of getting leaders through inheritance
- 11. Which group of people introduced the type of money shown in the space below?



- 12. What shows that Kampala is at a higher altitude than Mombasa?
- 13. State any one advantage of mixed farming
- 14. Why did early man live near lakes and rivers?
- 15. What was the main item of trade from Africa to America during the Trans-Atlantic trade?



Mr. Willy Kataswa Greenhill academy Kibuli Campus





SECTION A

- 16. Give any one advantage road transport has over other types of transport.
- 17 Why did sir Samuel Baker become popular among the people of Acholi?
- 18 State any one way a country can benefit from a low population.
- 19. How is Tazara railway important to the economic development of Zambia?
- 20. Why does the plant shown below commonly grow in desert areas?



- 21. What is the main tourist attraction at Queen Elizabeth national park?
- 22 State the relationship between Kenana in Sudan and Kilombero valley in terms of economic activities.
- 23. Name the agreement that led to the formation of the present boundaries of the East African countries

- 24. What term is used to describe the temperate grasslands of South Africa?
- 25 Mention any one form of child abuse.

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

- 26 Either: Why did God give Moses a spokesman when He sent him to deliver the Israelites from slavery?
- or: Why did Allah give Musa a spokesman when He sent him to deliver Banu Israel from slavery?
- 27. Either: What is king Solomon remembered for in Christianity2
- Or: What is Sulaiman remembered for in Islam?
- 28 Ether: Why was Jesus Christ circumcised when he was eight days old?
- Or: Why do Moslems carry out circumcision?
- 29 Either: Apart from Christianity and Islam, name any other world religion.
- Or: Apart from Christianity and Islam, name any other world religion.
- 30. Either: Mention any one group of people who qualify to get donations in Christianity.
- OR: Mention any one group of people qualify to get Zakat in Islam.

SECTION B

- 31. (a) State any two problems faced by crop farmers in Fost Africa.

- (b) Mention any two ways crop farmers can improve their yields.

- 32. a) Give any two terms of the 1900 Buganda

- agreement.

- (b) Name the officials who signed the 1900 Buganda agreement on behalf of:
- (i) Buganda -

- 33 (a) What measure did Nelson Mandela use to unite the whites and Africans when he became president of South Africa?
- (b) State any two methods used to end apartheid in south Africa.
- i) --11)
- (c) Apart from Nelson Mandela, name any other nationalist who fought against apartheid.

PASS PLE Mmande August 5, 2024 Use the sketch map to answer question '38. 34 (a) What title is given to the head of the Judiciary? FOR QUESTIONS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT (b) State any two ways the Judiciary promotes peace. BOTH IN A NUMBER 11) ----39. Either: Name the three sons of Noah. (c) How are school rules important? 35 (a) How are regional economic groupings important to iii) -the development of member countries? (b) Mention the symbol of God's covenant with Noch Or: Name the three sons of Nuch. (b) Which is the largest economic grouping in Africa? (c) State any two challenges facing regional economic (b) Why did Allah Save Nuuh's family from the floods? 36.(a) What is urbanisation? 40 Ether: What is work? (b) Give any two roles of urban centres to rural areas. Δ ------(b) State any two reasons why people work. i) (c) How do rural areas support urban areas? 38 (a) Name the ports marked: N- -----(c) Why do some people fail to work? 37. (a) Give the meaning of family. Or: What is work? (b) How are the parts marked useful to their countries? (b) state any two reasons why people work. b) State any two ways in which a family is important to a (c) Give any one problem facing water transport. (c) Why do some people fail to work? (c) Name any one type family.

ENGLISH ANSWERS TO ISSUE 20 (1ST AUGUST 2024)

1 thinner 11 such 2 mice 12 Unless 3.grazing 13 much 14.0 4.more softly 5 rung 15 barber 6.theirs 16 also known as 17 please reply 7 announcement 8.poisonous 18.right 19 private 10 den 21. Sarah is not as short as Mary. 22 Although it rained heavily,we came to school 23 sheep 24 wives 25.syllabi/syllabuses 26.6 27 consider usage 29,luggage 28 spectators 30.nestling 31. Katuasabe woke up early in order to board the first bus. 32.Katalina is not strong enough to stand

33. Either daddy or mummy will come for

34. Although he is very poor, he is happy.

35.If I performed well, I would study in

36.Cathy said a prayer before going to bed.

37. Unless Betty revises her notes she won't

- 38.Do you know that man who works at the post office? 39.Most pupils prefer swimming to singing.
- 40 Neither Nagujja nor Brenan is going to
- 41.1) The is about vaccination of all dags in Kibuli, Mutai jazi.
- 2) The notice appeared in the newspaper on 11th July 2024.
- 3) The notice appeared in Bukedde newspoper.
- 4) The dags will be vaccinated on Sunday. 5) The vaccination will take place in
- October.
- 6) The vaccination will take place at Kibuli, Mutajjazi.
- 7) The exercise will start at 8:00pm.
- 8) I think the dogs should be taken for vaccination to prevent them from spreading rabbies in case they bite people.
- 9) The dags that will miss this vaccination will be poisoned.
- 10) Kaita Alazo wrate the natice.
- 42.1) Adeline Ketty wrote the poem.
- 2) The poem has three stanzas.
- 3) SECURITY ALERT etc.
- 4) The poem is about safety and security
- alert to all Ugandans.
- subjected to them.
- 5) Women cry because of mob justice

- 6.Mab justice is found everywhere.
- 7) We must guard our lives.
- 8) The young ones should be protected.
- 9) Suspicious people should be reported to
- 10) People should move in groups according
- 43.1) People lived together as one family long ago.
- 2) People would send messages by word of mouth.
- 3) The post office provides postal services in Uganda.
- 4) Mails are delivered door to door under EMTS.
- 5) Postage stamps are fixed on envelopes before letters at posted.
- 6) Banking ,transport, telegram etc 7) The post office transports passengers
- using post buses.
- 8) Expedited Mail Service
- 9) Post bank is mentioned in the passage. 44 a Kasadha Byakika is the owner of the stall above
- b)He set up this stall after the fuel prices had been increased.
- c) One person is selling the items.
- d) A kilogram of rice is thousand six hundred.
- e)The cheapest item in stall is onions.

- 1) The most expensive item in stall is a bunch of matooke
- a) The total cost of a kilogramme of rice and that of beans at the stall is five thousand shillings.
- h) An onion costs one hundred shillings at the stall.
- If Moses bought a piece of sugarcane, two heaps of tomatoes and a bunch of matooke, he would pay eighteen thousand five hundred shillings
- 45 . HIGHLIGHTS ABOUT THE LETTER
- -An informal letter
- -Writer's address/School address-Adilang Primary School
- P-O-Box 58

Agago,

- Letter to the parents invite them to school to attend a sports day
- -Date: 10th August 2024
- Venue: school playground
- Request them to buy you scholastic materials which you will use to write your mack Examinations
- Request them to pay money for the tour-(state the amount)inform them that the tour is likely to be there on 20th August
- -Closure.

for an hour.

South Africa.

pass her exams.