MATHEMATICS

ISSUE 27

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SECTION A

1. Work out, 34 + 56

2. If set M={C, D,T}. List down all the proper subsets that can be formed from set M.

3. Find the square of 1.6

4. Shade 25% of the figure below.

5. Write DCXCIV in Hindu Arabic numerals.

6. Divide $\frac{1}{2}$ by $\frac{1}{8}$

7. Using a sharp pencil a ruler and a pair of compasses, construct the supplement of 105^0.

8. Express 56.8 in scientific notation.

9. The direction of town D from town T is $N45^0E$. What is the direction of T from D?

10. Express 40 metres per second as kilometres per hour.

11. Use the distributive property to work out. $(0.72 \times 8) + (0.28 \times 8)$.

12. Express 0.363636... as a simplified common fraction.

13. Work out the sum of the GCF and the LCM of 12 and 18.

14. The conference started on Wednesday and lasted 23 days. On which day did it end?

15. Factorise completely. $6y^3 - 8y^2$

SECTION B

16. A bicycle wheel made 200 revolutions to cover a distance of 4.4km. find the diameter of a wheel.

17. The figure below shows a photo on a photo frame. Find the area of the frame that is not covered by the photo.

5cm
2cm
14cm
2cm
2cm
2cm
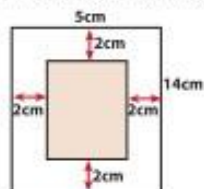
18. The sum of four consecutive odd numbers is 88. If the third number is t-3. Find the numbers.

19. Peter spends $\frac{1}{2}$ of his salary on food, $\frac{1}{3}$ of the remainder of fees and sh.360000 on rent. Find how much more he spends on on food than fees.

20. Construct a triangle PQR, where PQ=7.7cm angle P = 45^0 and angle R = 60^0. Drop a perpendicular from R to meet PQ at y.

21. Square slabs of side 15cm each are to cover a rectangular compound measuring 15m by 9m. given that each slab costs sh.2000, how much money is needed to buy all the slabs.

22. The interior and the exterior angles of a regular polygon are in the ratio of 3:2 respectively. Work out the interior angle sum of the polygon.

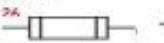23. The cylinder below was cut open to form a rectangular sheet.
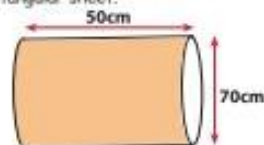
a) Find the length of the rectangle formed.

b) Find the a area of the sheet formed.

INTEGRATED SCIENCE ANSWERS TO ISSUE 26 (19TH SEPTEMBER 2024)

1. Horns/ spines/ teeth/ legs
2. To soften the testa/ to dissolve food in the cotyledons
3. Farmer gets manure for crops easily/ the farmer uses some crop remains as animal feeds
4. By prescribing drugs
5. It kills germs in food which reduces the chances of getting diarrhoeal diseases
6. To prevent swarming of bees due to lack of water
7. To get vitamin C in the body
8. Bryophyllum
9. It leads to soil exhaustion/ it makes soil very dry/ it causes poor aeration of soil
10. By distillation
11. For cleaning injection cites/ for mixing powder or liquid drugs
12. An electrolyte
13. By use of spines
14. They kill insect pests in the garden
15. It enables the acaricides to spread ton every part of the body of an animal
16. Diabetes/ lung cancer/ obesity/ HIV/AIDS
17. It prevents random mating with undesired breeds of animals/ it

promotes selective breeding
18. To keep them exposed to the sunlight
19. Through spiracles 20. Ringworm
21. Presence of oxygen/ presence of a substrate or food/ presence of warmth/ presence of moisture
22. Black jack is sticks on the fur of the animal by the help of hooks while guava seeds are eaten and disposed though animal wastes
23. Their bodies cannot be harmed when not given special health care and diet/ they do not need special health care and diet 24. Melting
25. Withdraw method/ rhythm method/
26.

27. It makes it rough which prevents the vehicles from sliding off the road.
28. They prevent the back flow of blood in the chambers of the heart
29. By fractional distillation
30. To prevent suffocation
SECTION B
31. a) 16 levelled spoons of sugar
b) To provide sodium and chlorides to the body of a patient or to

replace the lost mineral salts in the body of a patient
c) Solutes d) To prevent it from becoming contaminated
32. a) Placenta
b) i) It protects the embryo against injuries/ it provides a surface area for the embryo to grow
ii) It supplies food and oxygen to the growing embryo from the placenta/ it passes out waste products from the growing embryo to the placenta
c) It would experience stunted growth/ it would become underweight/ it would die in the womb
33. a) By use of displacement method
b) It sinks in water/ it displaces water when it is dropped into water
c) Stone/ mango/ an orange
d) It floats on water/ it does not displace water when dipped into water
34. a) Development of an itch less and painless sore called chancre
b) Through unprotected sex with an infected persons/ through sharing inner wears and bathing materials eg bathing sponges, towels etc.

c) It leads to madness or insaneness/ it leads to heart problems/ it leads to loss of some body parts eg fingers and toes/ it leads to paralysis of the body
35. a) Pellagra
b) Inflammation of the skin/ diarrhoea/ mental confusion/ redness of the skin patches/ cracks on the skin/ hair loss/ loss of weight/ severe skin ulcers
c) Un polished cereals/ liver/ lean meat/ green leafy vegetables/ fish/ legumes etc.
36. a) i) They compete with crops for nutrients and space/ they obstruct crops from getting sunlight/ they cause stunted growth in crops
ii) They destroy crops/they make crops to dry before they mature
b) By manuring the soil to provide crops with nutrients/ by watering crops when there is no rain/ by controlling pests in the garden/ by weeding the crops in time
c) To control soil erosion in hilly areas
37. a) Photographic camera or lens camera
b) Both form real images/ both

form inverted images/ both form diminished images
c) It is used as a dressing mirror
38. a) In the colon / in the rectum
b) Itching of the anal canal/ diarrhoea/ abdominal discomfort or pain/ swollen belly
c) By washing fruits well before eating/ Avoid sharing underwear and beddings with an infected person/ by washing hands well before eating or touching food/ by washing hands with soap after visiting a latrine
39. a) They get meat (mutton)/ they get wool from sheep
b) They are used for transport/ they are used for doing work eg ploughing/ they provide wastes used for production of biogas/ they provide fats used for making bio diesel
c) They kill people/ they spread diseases to people/ they destroy people's crops/ they make noise in the environment
40. Collect the mixture of salt and sand in a container
- Pour water into the mixture and stir thoroughly well to make all the salt to dissolve in water

SOCIAL STUDIES

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SECTION A

1. Name the largest country in the East African Community.
----

2. Why do depression lakes have fresh water?
----

3. State any one method of drying tobacco.
----

4. Give the major factor which has led to the development of Hoima district.
----

5. Why are people in semi-arid areas advised to grow Sorghum and millet?
----

6. Which Luo speaking tribe settled in western Kenya?
----

7. How is vegetation dangerous to people
----

8. What contribution did Alexander Mackay make towards the welfare of Ugandans?
----

9 How did the Bachwezi promote agriculture in Africa?
----

10 How did Nuwa Mbaguta promote education in western Uganda?
----

11 What type of breeze is shown below?

12. State any one factor which makes Equatorial regions suitable for growing perennial crops.
----

13 How does UNICEF promote the health of children internationally?
----

14. Why is Tanzania not a member of COMESA?
----

15. In which way do good health services in a country lead to population growth?
----

16. How does a national Constitution promote democracy in a country?
----

17. State any one social importance of keeping domestic animals.
----

18. How do industries support the economic development of a country?
----

19. Mention any one way the people of Kenya benefitted from Mau-Mau rebellion.
----

20. State the raw material used to make the roofing items shown below.

21. Give any one disadvantage of using newspapers as means of communication.
----

22. What title is given to Kenya's representative to Uganda?
----

23. Mention the group of foreigners who were protected by IBEACO in East Africa.
----

24. How was Ahmed Majid helpful to Vasco Da Gama?
----

25 What type of leaders are got through inheritance?

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

26, Either: Name the African country where Jesus once lived.

Or: Name the African country where Prophet Issa once lived.

27, Either: What lesson do Christians learn from the resurrection of Jesus Christ?

Or: What lesson do Moslems learn from hadiths?
----

28 Either: Why do Christians work?

Or: Why do Moslems work?

29, Either: Give any one importance of the Holy spirit to Christians
----

Or: How did Angel Jibril contribute to the spread of Islam?
----

30. Either, In which way do Christians promote good relationship with others?

Or: In which way do Moslems promote good relationship with others?

SECTION B

31.(a) Mention any two countries in Africa whose climate is influenced by the Westerly winds.

i) --------------------------------

ii) --------------------------------

(b) Give any two climatic related economic activities carried out in the countries mentioned in "a" above.

i) --------------------------------

ii) --------------------------------

32 (a). Why are mountainous areas densely populated?

(b) Give any two methods crop farmers use to grow crops on the steep slopes of mountains.

i) --------------------------------

ii) --------------------------------

c) How can people living on mountain slopes control the problem of mudslides?
----

33 (a). How is Katanga province economically important to Democratic Republic of Congo.

(b) Why does Democratic Republic of Congo receive heavy rainfall throughout the year?

(c) State any two challenges affecting the development of Democratic Republic of Congo.

i) --------------------------------

ii) --------------------------------

34 (a). What is a political party?
----

b) Give any two constitutional requirements needed to have a political party operating in Uganda.

i) --------------------------------

ii) --------------------------------

(c) State one way political parties sped up the independence struggles among African countries.
----

35. Complete the table correctly

Mineral	Main area where it is mined
Soda ash	(a) ----------------------
(b) --------------------	Witwatersrand
cobalt	(c) ----------------------
(d) --------------------	Mwadui

Use the sketch map below to answer question 36
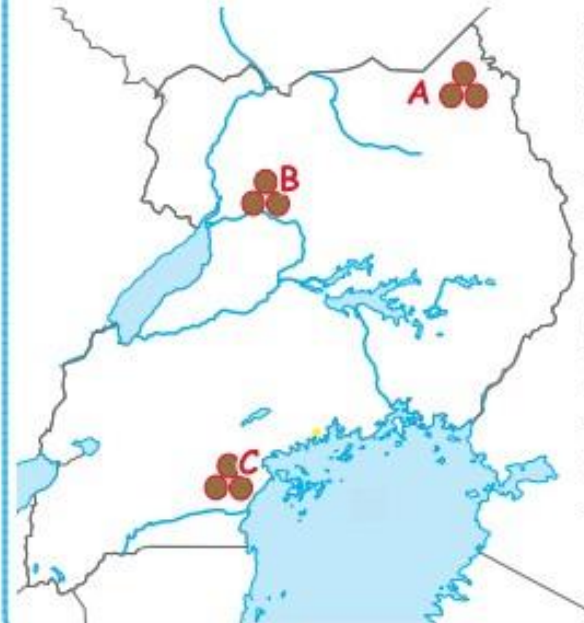
32 (a). Name the stone age sites marked:

A---

B- --

b) Why did early man settle near lakes and rivers in Africa?

(c) How do stone age sites contribute to the economic development of Uganda?

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

39. Either: Name any two Christian voluntary organisations operating in Uganda.

i) ---

ii) ---

(b) Mention any two services provided by Christian voluntary organisations.

i) ---

ii) ---

Or: Name any two Islamic voluntary organisations in Uganda.

i) ---

ii) ---

(b) Mention any two services provided by Islamic voluntary organisations.

i) ---

ii) ---

40. Either: (a) Match the prophets with their messages.

A	B
i) Elijah	- Justice
ii) Isaiah	- Hope for the future and new covenant
iii) Amos	- Trust and true worship
iv) Jeremiah	- Birth and life of messiah

i) Elijah - ---

ii) Isaiah - ---

iii) Amos - ---

iv) Jeremiah - ---

Or: Match the prophets with what they are remembered for:

A	B
i) Adam	- built the Kaaba
ii) Mohammed	- deliverance
iii) Musa	- first prophet in Islam
iv) Ibrahim	- perfection of Islam

i) Adam - ---

ii) Mohammed - ---

iii) Musa - ---

iv) Ibrahim - ---

37(a). State any one negative effect of slave trade to the African countries.

(b) How were the slaves obtained?

(c) What was the largest slave market in the Africa?

(d). How did the formation of trade companies help to stop slave trade in Africa?

38(a) What is a national election?

(b) How do regular free and fair elections promote peace in a country.

(c) Give any two examples of election malpractices.

i) ---

ii) ---

ENGLISH ANSWERS TO ISSUE 26 (19TH SEPETEMBER 2024)

1. pruning
2. nicer
3. intension
4. laid
5. knowledgeable
6. smooths
7. advertisements
8. twelfth
9. muddy
10. refusal
11. dairy.
12. If
13. far
14. in
15. Ghanaian
16. driving mirror, seatbelt, toolbox, windscreen
17. saw,sew,so,sow
18. holidays
19. kraal
20. jokingly
21. and 22 consider usage
23. departed
24. withdrew
25. reference

26. automated teller machine
27. milkmen
28. pieces of cakes
29. He asked me where his pen was.
30. Of what use is a spanner?
31. The proposers debated very well although they did not win the debate.
32. Kamau is not as clever as Iga.
33. He would write to his pen pal if he had good time.
34. I would like to borrow your pen.
35. Vincent,as well as Clement,is a Rwandan.
36. Your brother did not complete the holiday work and neither did he attend remedial classes.
37. The traffic started moving as soon as the traffic lights turned green.
38. Carpentry is a very interesting activity.
39. Driving old cars is very risky.
40. Muneeza borrowed some money from Kateregga.
41.a.The graph shows the number of customers who bought items from Davis' supermarket each day from 24th to 29th June2024.

b.The items were bought from 24th to 29th June 2024.
c. Davis received the same number of customers on Thursday and Saturday.
d.Two hundred fifty customers were received on Wednesday.
e. Davis had the least number of customers on Friday.
f. The total number of customers on Friday and Saturday was two hundred fifty.
g. Davis' supermarket is mentioned in the graph.
h.There are six days of the week on the graph.
i. I think Davis made a lot of profits on Wednesday 26thJune2024 because he had a lot of customers that day.
j. clients

42.a. Balimi village is mentioned in the passage.
b.Three daughters are inYeseri's family.
c. Yeseri's main occupation today is farming.
d.Yeseri was poor at first because he didn't

like working.
e. Growing Cotton makes him famous according to the passage.
f. Mr.Tasaga,is the chairman LCI of Balimi village.
g.The villagers were called for a meeting so as to discuss the challenges they face in their homes.
h. Yeseri inherited the land from his father.
i.cried
j. YESERI, THE LAZY MAN/BALIMI VILLAGE MEETING

43. St.Lwanga Primary School
-4th July 2024
-The Class teacher P6
-Dear Sir,
-Re: APOLOGY FOR BREAKING A DESK
-I am writing to apologize
-the desk
-forgive me
-Yours faithfully,
-Johan Mubeezi