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MATHEMATICS

SECTION A

1. Work out: $1.34 + 3.22$

2. Express 504 in Roman numerals.

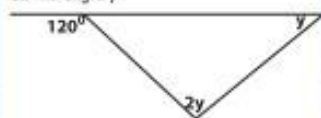
3. The capacity of the container below is $4\frac{1}{2}$ litre. How many $\frac{1}{4}$ litre cups of water can you obtain from it?



4. By selling a dress at sh.36,000, a trader makes a loss of sh.4,000. Calculate her percentage loss.

5. The area of a square piece of land is $49m^2$. Express this area in square centimetres.

6. Find angle y :




7. The standard form of a number is 7.63×10^3 . What is this number?

8. The diagram below represents a tyre of a bike. What distance does it cover when it makes 4 revolutions?



9. Simplify: $(-7) - (-23)$

10. If  represents 5 fruits, draw many such pictures represent 35 fruits?

11. Work out $\frac{1}{2}$ of $18 + 3$

12. Using a ruler and a pair of compasses only, construct an angle of 45°

13. A game started at 7:50am and ended at 11:10am. How long was the game?

14. Find the next number in the sequence below:
3, 6, 11, 18, 27, 38,

15. If 2,829 seedlings are planted in 23 equal rows, how many seedlings will be in each row?

SECTION B

16. If $y = 4 - 2x$, complete the table below:

X	-3	.....	-1	.....	1	.....
Y	.....	8	.....	4	.....	0

17. The pie chart below shows how pupils were distributed according to their colours. Use it to answer the questions that follow:



a) Work out the value of m .

b) If there are 100 more pupils in Yellow than in Red, how many pupils are in the school?

c) Find the percentage of pupils in Blue.

18. Komakech is 30 years younger than Joanita. In 12 years time Joanita will be thrice as old as Komakech. How old is Komakech?

19. Work out: $0.36 \div 0.12$
 0.4×0.2

Currency	Buying rate	Selling rate
1 US dollar	Ug sh. 3600	Ug Sh. 3700
British pound	Ug sh. 3700	Ugsh. 3800
Euro	Ug sh. 4000	Ug sh. 4050

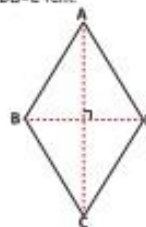
a) Change Euros 1900 to British Pound.

b) A trader changed US dollars 540 to Euros. How much money did the trader get?

21. a) Work out: $5 \times 6 = \dots\dots\dots$ (finite B)

b) If today is Saturday, what day of week will it be 35 days from now?

22. The figure below is a rhombus. It has a perimeter of 80 cm. Diagonal BD = 24 cm.



a) Find the length AC

b) Find its area.

23. a) If 7 men take 18 hours to do a piece of work, how long will 6 men working at the same rate take to do the same piece of work?

b) Given that $y = 5 \div 0.2$, what is the value of y ?

INTEGRATED SCIENCE ANSWERS TO ISSUE 14 (20TH JUNE 2024)

1. Femur bone
2. By the use of a spider web
3. Ferns/ mosses/ liverworts
4. Thinness of the wire/ length of the wire
5. Production of glucose
6. To trap sunlight for making food
7. They contract
8. It prevents evaporation of water in the soil/ mulches provide a shade to the soil during a sunny day
9. By drinking boiled water
10. It leads to paralysis of the body
11. It helps to control houseflies in the latrine which would spread germs from the latrine to people
12. It spreads diarrhoeal or fecal diseases in human beings
13. Decomposition
14. Broken pieces of a magnet regain their poles

15. It helps in proper circulation of air in the hutch
16. To allow easy flow of fresh air in the pit
17. Air exerts pressure
18. Incisor teeth
19. By leaving gaps between them
20. Writing by staff notation or staff notation method
21. Salsa notation method
22. A tick
23. By using the formula method
24. A kitten
25. Carbon dioxide is produced in the body during respiration
26. In the medulla
27. It enables plants to colonise new areas/ it prevents overcrowding of plants/ it prevents extinction of some tree species
28. Fleas/ lice
29. It does not respire/ it does not feed/ it does not

- reproduce/ it does not feed
30. By the help of the pericardium which lubricates it
31. a) These are resources that can be replaced naturally once exhausted
- b) Coal is a solid fossil fuel while crude oil is a liquid fossil fuel/ coal is formed from remains of plants while crude oil is produced from remains of animals
- c) Bio diesel/ bio gas
32. a) They have four pairs of legs/ they have two main body parts
- b) A housefly breathes through the spiracles while a spider breathes through the lung books
- c) It helps to kill houseflies that spread dysentery
- d) Ticks/ scorpions
33. a) when heat lands on polished surfaces it is reflected while if heat lands on unpolished

- surfaces it is absorbed
- b) By putting on shiny and smooth clothes
- c) i) It enables a blacksmith to expand the metals for easy fixing or joining/ it makes metals soft for easy curving
- ii) For sterilising medical equipment
34. a) Tippy tap
- b) It kills germs in the hands
- c) Liquid detergent/ sanitizers
35. a) i) Milk ii) Meat
- iii) Angora goats
- b) Burdizzo
36. a) In the living body cells
- b) They contract
- c) Tuberculosis/ bronchitis/ asthma/ pneumonia
37. a) Stipe/ stalk
- b) It absorbs food from decaying matter
- c) Part C
- d) It is sold for money/ it is

- used for making mushroom juice and soup for cell
38. a) Crops with weak stems get extra support to grow upwards in search for more sunlight/ trees provide shade to crops
- b) They provide fruits / they provide shade for the learners/ they control soil erosion in the school compound
39. a) It helps to prevent passive smoking/ it helps to prevent air pollution in public places
- b) Emphysema/ lung cancer/ bronchitis
- c) It leads to passive smoking/ it leads to air pollution
40. a) Blood vessels/ blood
- b) The heart is divided by the septum
- c) By doing physical exercises regularly/ by feeding on a balanced diet/ by avoiding crowded areas/ by avoiding smoky or dusty places

1. Name any one tributary of river Nile in Sudan.
2. State any one economic benefit of museums to a country like Uganda.
3. How has the introduction of polythene materials affected the growing of sisal in East Africa?
4. Give any one positive effect of exploration work in Africa.
5. Why is a voters' register important at a polling station?
6. What term is used to mean the remains of early man?
7. Why are bananas not commonly grown in North Eastern Uganda?
8. State any one positive effect of the rebellions staged against colonialists in Africa.
9. How did the ethnic migrations affect the people in the areas where they settled?
10. In which way did the creation of Eritrea affect Djibouti?
11. What type of forest is shown in the picture?



12. How does overgrazing lead to soil infertility?
13. Apart from hospitals, name any other social service Centre where patients go for treatment.
14. What was the Trans- Saharan trade?



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SOCIAL STUDIES

SECTION A

15. What is the main product got from the crop shown?



16. State any one way of controlling population growth in an area.
17. Name the officer who heads security at district level.
18. Why did the colonialists fix the boundaries of African countries?
19. How do forests help in preservation of fish?
20. State the importance of electricity in the mining industry.
21. Why did some traditional leaders in East Africa oppose colonial rule?
22. How did slave trade lead to under development in East Africa?
23. Why is Jan Van Riebeck remembered in the history of the settlers in South Africa?

24. Why did H.M. Stanley make his third journey to the Equatoria Province?

25. Name one special interest group in Uganda's parliament.

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

26. Either: Who was the father of Jacob and Esau in the Bible?

Or: Who was the father of Prophet Yaqub in Islam?

27. Either: What was the first miracle to be performed by Jesus?

Or: What miracle did Prophet Mohammed perform during Miraj?

28. Either: State any one way Christians overcome moments of sorrow in their lives.

Or: State any one way Moslems over came moments of sorrow in their lives?

29. Either: Why shouldn't Christians worship small gods?

Or: Why shouldn't Moslems worship small gods?

30. Either: Name the prophet who is remembered for suffering and endurance in the Bible.

Or: Name the prophet who is remembered for suffering and endurance in the Quran.

SECTION B

31. a) Why was the bird shown in the picture chosen to be Uganda's national emblem?



- b) State the reason why it is drawn standing on one leg.

- c) Apart from the national emblem, name two other symbols of Uganda as a nation.

- 32.a) Name any two countries in Africa that experience desert climate.

- i)
- ii)

- b) Why do deserts experience very low temperatures at night?

- c) State the reason why trees in the desert regions have thin leaves.

33. a) Mention the two types of culture.

- i)

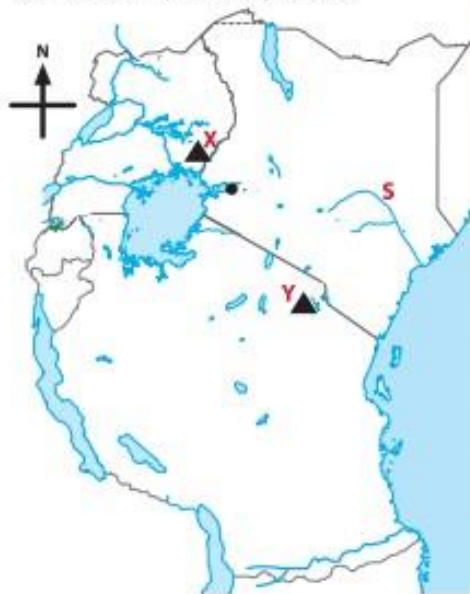
- ii)

- (b) Give any two ways of preserving culture.

- i)

- ii)

Use the sketch map to answer question 34.



34. a) How is river marked S important to the industrial development of Kenya?

(b) Give the relationship between mountain marked X and Y in terms of their formation.

(c) Mention any two economic activities carried out on the above mountains.

i) _____

ii) _____

35. a) State two reasons why the colonialists developed transport systems in African countries.

i) _____

ii) _____

b) What contribution did Sir Hesketh Bell make towards promoting trade among the East African countries?

c) Apart from developing transport systems, give any other effect of colonialists in Africa.

36. a) What are secondary industries?

b) Why are countries encouraged to export finished goods instead of raw materials?

(c) State two ways how big population promotes industrial development.

i) _____

ii) _____

37. Match the personalities in list A with their contributions.

A	B
i) Abeid Karume	- Political leader of Mau Mau rebellion
ii) Jomo Kenyatta	- Agreed with Julius Nyerere to unite Tanganyika with Zanzibar and form Tanzania
iii) Joseph Kasolo	- One of the first Ugandan representative on LEGCO
iv) Kawalya Kagwa	- Founder of Democratic Party

38. a) What is the minimum academic qualification for one to stand for the post of Member of Parliament in Uganda?

(b) State any two duties of members of parliament.

i) _____

ii) _____

c) Who heads the Legislature?

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

39. Either: (a) Name the town where Jesus Christ was born.

b) What role did Angel Gabriel play in the coming of Jesus Christ?

c) Why was the birth of Jesus Christ regarded as a miracle?

d) How did the three wise men find the birth place of Jesus Christ?

Or: a) Name the mother of Prophet Isa.

b) What role did Angel Jibril play in the birth of Prophet Isa?

c) Why was the birth of Prophet Isa regarded as a miracle?

d) Name the divine book that was revealed to Prophet Isa.

40. Either: (a) What is a church?

(b) State any two ways how Christians take care of their church.

i) _____

ii) _____

c) How do people contribute to the development of their church?

Or: (a) State any two ways how Moslems take care of their place of worship.

i) _____

ii) _____

(b) How do Moslems contribute to the development of their Mosque?

(c) State the main duty of Muazin.

ENGLISH ANSWERS TO ISSUE 14 (20TH JUNE 2024)

1. of
2. fare
3. barked
4. enough
5. How
6. narrowly
7. marriage
8. loosen
9. cashier
10. beautifully
11. pronunciation
12. height
13. misbehaviour
14. bridal
15. spelt
16. clean, dust, must, rain
17. tax, teach, ticket, travel
18. smarter
19. heavy
20. bridegroom
21. junction
22. couple
23. number
24. care of
25. Anita's has given birth to twins.
26. What a proud boy Amos is!
27. and 28. consider usage
29. toes 30. sheep
31. The was so long that they could not walk it.
32. Aninda likes cakes more than bread.
33. Hardly had the invigilator entered the room when all the candidates stood up.
34. The baker is making the dough so that he can make buns.
35. Here is the boy whose aunt sent the headteacher a wedding cake.

36. John, "Will Anna come to school?"
37. My brother married a beautiful tall woman.
38. Are you strong enough to carry the bag alone.
39. The pupils have not listened to the news, have they?
40. If he got money he would buy a car.
41. a. The speaker knows he is two legged.
- b. The two friends are used on road.
- c. People are taken to various places.
- d. The speaker uses his carrier to take the luggage.
- e. The speaker uses the handle bars to turn to different directions
- f. The user put the speaker aside.
- g. The speaker wants people to see his importance.
- h. The speaker in the poem is a bicycle.
- I. MEANS OF TRANSPORT
42. a. The date on that Saturday was 9/10/2023.
- b. Grandfather Bwedda drew the curtains of his bedroom windows as soon as he jumped out of the bed.
- c. Grandfather Bwedda had his

- breakfast after dressing up.
- d. Grandfather Bwedda kept his lovely hat up on the wall.
- e. Grandfather's walking stick made him look honourable.
- f. Grandfather Bwedda's father was Bwedda Ddala.
- g. Grandfather Bwedda couldn't speak to his neighbours because they lacked the spirit of nationalism.
- h. Grandfather Bwedda expected flags to be hung in the city.
- i. Grandfather Bwedda didn't read the exact current calendar to know the right day for independence.
- J. GRANDFATHER BWEDDA'S DISAPPOINTMENT
- 43 d) Our class held a debate last week on Tuesday.
- h) The motion for this debate was a television is greater than a radio.
- e) This motion was so interesting that many pupils participated.
- b) The first participant was a proposer.
- g) He said a television makes people see what takes place in the world.
- j) He added that not only seeing but also

- believing in what has been broadcast.
- i) Then came the second participant who opposed the motion.
- a) This one made us laugh when she came while listening to a radio.
- f) She said that a radio is more mobile than a television.
- c) More speakers kept coming and finally both sides got the same points.

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

44 FRIENDLY LETTER

- Points to Note
- Writer's address
- Date
- Salutation to mother e.g. Dear Mum,
- Statement of apology for your dog eating four of her chicks.
- Promise to repair the chicken house.
- What you will do to ensure that the same don't happen again e.g. building a kennel for your dog/keeping it chained etc.
- Conclusion
- Writer's name
- e.g. John