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ANSWERS FOR THIS ISSUE
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MATHEMATICS

SECTION A

1. Work out: 100×0.25

2. Write CDL IN Hindu Arabic numerals.

3. If today is Wednesday, what day of the week was it 37 from ago?

4. Subtract: $4y - 5$ from $9y - 3$

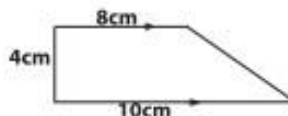
5. How many 160ml cups of milk can you obtain from 8litres?

6. The PIN (personal Identification Number) for Mani's account is 110_{Ten} but saved it in base four. Help him to retrieve it.

7. Using a ruler, a pencil and a pair of compasses only construct an Angle of 30°

8. If $11\frac{1}{3}\%$ of a number is 46, what is that number?

9. Calculate the area of the figure below:

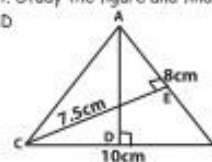


10. Evaluate: $2^5 - 6^0$

11. If 6 apples cost sh 4,200, find the cost of $\frac{1}{2}$ dozen apples.

13. Given that $x = \frac{3}{5}$ and $y = \frac{7}{30}$. Evaluate $x + y$

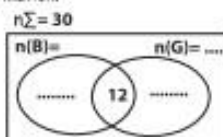
14. Study the figure and find the length AD



15. Luntu paid an interest of sh.32,000 after borrowing a certain amount of money at 4%pa interest for 24 months. How much money did he borrow?

SECTION B

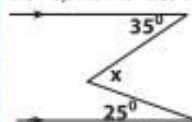
16. In a certain village of 30 farmers, 20 of them grow beans(B), 12 grow both beans and groundnuts.
(a) Complete the Venn diagram below using the above information.



b) How many farmers grow only groundnuts?

(c) How many farmers grow only one type of crop?

17. a) Find the value of x



(b) Two supplementary angles are $4p+5^\circ$ and $p+15^\circ$. Find the size of each angle.

18. Abel divided his money as follows: $\frac{1}{2}$ was given to wife, $\frac{1}{3}$ of the remainder was given to daughter and the rest was given to a friend. If the friend got sh. 300,000, how much money did Abel have?

19. Trees were planted in a straight line 8m apart along a distance of 12.8km. How many trees were planted?

21. In a motor rally Mr Black scored 10.5 points in the first round and lost 12.2 points in the second round. He scored 15.7 points in the third round. What was his final score?

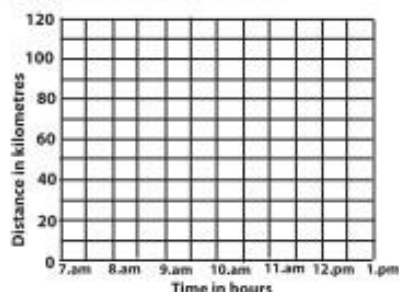
22. Using a ruler, a pencil and a pair of compasses only, construct an equilateral triangle ABC of side 6cm.

(b) Drop a perpendicular from A to meet BC at D. Measure AD.

20. Kiiza purchased the following items:
3kg of fish at sh.18,000 per kg
500ml of milk at sh.3,000 per litre
4 bars of soap at sh.16,000.
 $\frac{1}{2}$ dozen packets of tea at sh.600 each.
Calculate her total expenditure.

(b) If Kiiza got a discount of 10%, how much did she pay?

23. A motorist left town A at 7:00 am moving at a speed of 40kph for $1\frac{1}{2}$ h to town B. He rested for $\frac{1}{2}$ hour at town B and then continued to town C moving at a speed of 30kph covering a distance of 60km.



(a) Show the motorist's journey on the graph below.
(b) What distance had the motorist travelled by 10am?

(d) Calculate motorist's average speed for the whole journey.

INTEGRATED SCIENCE ANSWERS TO ISSUE 25 (12TH SEPTEMBER 2024)

1. Grasshopper/ cockroach/ termites
2. A kite hunts and kills its prey before feeding on it while a vulture feeds on carrion
3. Sorting prevents staining of some clothes by others
4. A good piglet should be of a good breed / should have 8 teats on each side in case it is a female
5. Tiger mosquito does not move or feed at night
6. Umbilical cord transport food and oxygen from the placenta to the foetus while the placenta stores food and oxygen for the foetus
7. $M.A = Load \div Effort$
 $\frac{8E}{2} = \frac{400}{2}$ $E = 200kg$
8. To drop carbon dioxide and pick oxygen
9. Lyre

10. By the vibration of the strings when plucked
11. Row planting wastes a lot of time
12. By carrying out Transpiration
13. To prevent buildings from being struck by lightning
14. The moon emits light from the sun
15. By the help of scent produced by flowers at night
16. Red blood cells contain haemoglobin that carries oxygen
17. Both break the circuit
18. Mastitis
19. By milking infected cows last
20. Avoid over cultivation
21. Weathering
22. Rural areas lack piped water
23. Liver cirrhosis
24. To avoid noise which will lead to swarming of bees
25. Muscles relax and contract

26. By brushing teeth
 27. Compound pinnate leaf
 28. Melting is reversible
 29. Smoking can lead to premature birth
 30. By vaccinating dogs in the community
- Section B
- 31 a) Amphibians
 - b) Both reproduce by laying eggs - Both undergo external fertilisation
 - c) snake
 - 32 a) ant hills hide pests that destroy maize crops
 - b) Tomato blight / maize rust
 - c) The cover crops reduce the speed of fast flowing water
 - 33 a) chlorophyll
 - b) By means of seeds - By means of spores
 - c) Horse tails
 - 34 a) synovial fluid reduces

- friction at the joint
- Ligament joints bones together
- b) Femur
 - c) The circulatory system supplies oxygen to the bone tissue for respiration
- 35 a) interdependence is a way things depend on each other in the environment
- b) plants get Carbon dioxide
Plants get manure
 - c) plants make their own food
 - d) Bacteria, fungi
 - 36 a) Excretory system
 - b) To control the flow of urine out of the urinary bladder
 - c) part N has nephrons that aid blood filtration
 - d) Avoid taking raw salt / by drinking enough water
 - 37 a) mono cropping/ Excessive use of fertilisers
 - b) By mulching / practicing crop

- rotation
- 38 a) Notation method / by recording
 - b) Radio cassette / phone
 - c) sound can be used in court of law to give evidence / for entertainment
 - 39 a) shearing is the act of obtaining wool from a sheep's body
- Farrowing is the act of giving birth to piglets by a sow
 - b) mohair, /, Wool
 - 40 spectrum - Band of seven distinct colours
- Refraction. - Bending of light rays
- Reflection. - Bouncing back of light rays
- Dispersion. - Splitting of light

- 1) Give one of the social challenges facing Africa.
- 2) Which type of tax is paid on one's property?
- 3) Why are foreign investors encouraged to come to Uganda?
- 4) State any one role played by ICRC.
- 5) Which body in Uganda is responsible for registering all authorized companies and business entities?
- 6) Why are power dams mainly set up on rivers?
- 7) How are lollipop men and women important to school going children?
- 8) What is single party system of government?
- 9) What title is given to the official who appoints judges in Uganda?
- 10) Why is Uganda called an Anglophone state?
- 11) What causes deserts?
- 12) Give any one piece of information found on Uganda's national identity card.
- 13) Which element of a drawn map determines its size?
- 14) Name the colonial governor who signed the Namirembe agreement of 1955 on behalf of the British.
- 15) Which interlocastrine kingdom was not restored in 1993 in Uganda?
- 16) How will dam construction on river Nile between lake Kyoga and lake Albert affect tourism industry?
- 17) State the major cause of Urban_rural migration among people of ages between 65 to 90 years.



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SOCIAL STUDIES

SECTION A

- 18) State the similarity between lake Wamala and lake Opeta in terms of formation.
- 19) Draw a map symbol representing a canal in the space below.
- 20) Why was West Africa referred to as the White man's graveyard by the Europeans?
- 21) What is bio gas energy?
- 22) Which feature is formed when river Nile is joined by river Achwa at Nimule town?
- 23) Why did Capt. F.D Lugard bring the soldiers from Sudan into Uganda?
- 24) How do wattle trees support the existence of leather industries?
- 25) Which attribute of Uganda as a nation promotes rule of law and peaceful transition of power?

FOR NUMBERS 26 TO 30, ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH

- 26) EITHER, What was the work of Moses the son of Amram and Jochebed?
- OR) What was the work of prophet Musa before he was called by Allah?
- 27) EITHER, Mention something unusual that happened shortly before Jesus died on the cross.
- OR) State one thing that will happen on the final day of judgement
- 28) EITHER, How did the death of Jesus Christ on the cross bring happiness to Christians?
- OR) How did the caliphs support the development of Islam after the death of prophet Mohammad PBUH?
- 29) EITHER, What is tithe?
- OR) What is zakat?
- 30) EITHER, What Biblical event marks the end of the Holy week?
- OR) What event marks the end of fasting during the month of Ramadhan?

SECTION B

31. a) Why was the practice of slave trade regarded evil by the early missionaries to Africa?
- b) State two agreements which were signed to abolish slave trade in Africa.
 - i) _____
 - ii) _____
- c) Why was Tanzania the most affected East African country during slave trade?
- 32a) State two reasons why the government of Uganda has set up programmes like PDM and Emyoga.
 - i) _____
 - ii) _____
- b) Give any one challenge the government is facing while implementing the above programmes.
- c) Write PDM in full.

- 33) Use the map below to answer questions about it. (map of Nigeria)



- a) Name the tributary marked with letter Q on the map above
- b) Use letter W and mark Cameroon on the map above.
- c) Give two reasons why area marked with triangular shapes on the map densely populated.
 - i) _____
 - ii) _____
- 34)a, What were the frontline states in Africa?
- b) Mention any two of the frontline states.
 - i) _____
 - ii) _____
- c) Why is F.W.De Klerk remembered in the political history of the Republic of South Africa?

35a) State two natural disasters which can check population of a country

- i)
ii)

b) Which ministry in Uganda is responsible for natural and human made disaster occurrences?

c) How is the government of Uganda protecting its people from the effects caused by natural disasters?

36a) Why is the prime meridian numbered 0 degrees?

b) Apart from the prime meridian, give one other important line on longitude.

c) State two ways one can locate the position of Uganda on the map of Africa.

- i)
ii)

37a) Name two physical features in Africa which were formed by faulting process.

- i)
ii)

b) Mention one block mountain found in Kenya.

c) State any one effect of the faulting process on earth's surface.

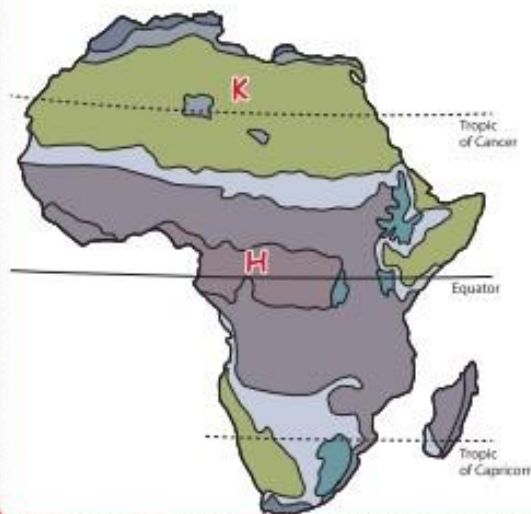
38a) Give two advantages of a country with single party system of government.

- i)
ii)

b) State any two challenges a country that has a system where many political parties are operating faces.

- i)
ii)

39) Study the map below and answer questions about it.



a) Name the vegetation zones found in the shaded areas marked K and H

K:
H:

b) State two reasons why different areas have different vegetation zones.

i)
ii)

ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH

40) EITHER, Match the parables below with the messages conveyed in each correctly

A	B
i) Workers in a vineyard	- how the word of God is received by people
ii) Good Samaritan	- to be prepared for the coming of Jesus Christ
iii) The ten virgins	- showing kindness to people in need
iv) The sower	- God is always fair in rewarding people

OR) Match the important events in A with their meanings in B correctly

A	B
i) Isra	- a journey made by prophet Mohammed from Mecca to Medina
ii) Umra	- prophet Mohammed's night vision journey from Jerusalem to heaven
iii) Miraj	- prophet's Mohammed's night journey from Mecca to Jerusalem.
iv) Hejira	- lesser or minor pilgrimage to Mecca

ENGLISH ANSWERS TO ISSUE 25 (12TH SEPTEMBER 2024)

1. broken
2. necklessly
3. Chinese
4. proposers
5. mine
6. dirtier
7. Southern
8. mechanical
9. knew
10. more neatly
11. of
12. Unless
13. passenger
14. whose
15. scissors
16. innocent
17. cheaply
18. withdrawal
19. The news reporter interviewed the accident victim.
20. A cyclist needs a helmet to protect his head.
21. chefs
22. heads of state
23. and 24 consider usage
25. guests, marry, receptionists, wedding
26. office, officer, official, traffic
27. subscribers identification module
28. telephone number
29. luggage
30. cartoonist
31. This dictionary belongs to my brother.
32. Sendi pulled out his shopping list as soon as he entered the shop.
33. Cheating is a crime but some people still do it.
34. Migodde lost the way to the church

- because he didn't know the direction.
35. I won't visit my grandmother unless I get taxi fare.
 36. Albert wanted to know from Mike where he had put the pen.
 37. It has been raining since morning.
 38. The pedestrians mustn't cross the road carelessly.
 39. Tatiana is a wonderful singer.
 40. A delicious cake has been eaten by Kyamuhenda.
 41. The passage is about keeping safe on the road.
 2. The fatal accidents have taken place on the road.
 3. Road users have lost their lives.
 4. Traffic officers say that motorcyclists should always wear helmets to protect their heads from damage in case of an accident.
 5. I think wobbling vehicles on the road can lead to road accidents since the vehicles would not be moving in a straight line.
 6. Pedestrians should use a zebra crossing when crossing a busy road.
 7. No life doesn't have any spare parts.
 8. read ii safeguard
 9. KEEP SAFE ON THE ROAD

- | | | | | | | | | | |
|---|---|---|----|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 6 | 5 | 7 | 10 | 8 | 9 | 3 | 4 | 2 | 1 |
43. a. The poem is about letters.
 - b. The poem was written by Abosli Alice.
 - c. The envelopes were from different places in the world.
 - d. There are four stanzas in the poem.
 - e. The writer expresses her disappointment in stanza two.
 - f. According to the poem the writer took a deep breath to calm down for she had not received any mail that day.
 - g. The writer took two days to receive her own letter.
 - h. Gloria sent a letter to the writer of this poem.
 - i. Gloria wrote to Amelia to invite her to her ninth birthday party.
 44. 1. Kyamuhenda Lyn paid the money to the bank.
 2. The money was paid for Kyamuhenda Lyn.
 3. She paid the money in Centenary Bank (U) Ltd Ibanda branch.
 4. I think the money paid was for school fees.
 5. She banked five notes of five thousand

- shillings.
6. Kyamuhenda Lyn is in Wonderland Primary School.
 7. No, she didn't bank any coins of two hundred shillings in the bank.
 8. The total amount of money paid was one hundred ninety five thousand, five hundred shillings.
 9. DFCU bank 10. account
 45. a. The graph is about the Human Rights Commission, Arua District, showing the offenses committed in Kwanya Village in 2023.
 - b. The above report is for Kwanya Village.
 - c. The Human Rights Commission Arua District, made the above report.
 - d. Four offences are shown on the graph.
 - e. The above report was made in 2023.
 - f. Twenty more domestic violence cases were committed than child sacrifice.
 - g. I think sensitizing drivers about bad driving can be done to reduce bad driving in the the district.
 - h. Child sacrifice and bad driving were committed by the same number of people.
 - i. theft
 - j. I think child sacrifice is dangerous because it leads to death of little ones.