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MATHEMATICS

SECTION A

1. Add 3.6 to 9.4

2. Express 00 35 hours in 12hour clock system

3. Write 469 in Roman numerals

4. The diagonals of a kite are 8 cm and 14 cm. calculate its area

5. Find the cube root of 216

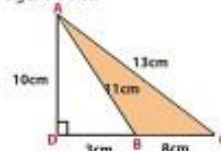
6. Solve $5 - 4p = 13$

7. Circular cards of diameter 7 cm are to be cut out of the rectangular manila of length 60cm and breadth 30cm. Calculate the number of cards to be cut out.

8. The polygon has 20 right angles. Name the polygon.

9. Use the distributive property to work out $(14.5 \times 8) - (4.5 \times 8)$

10. Calculate the area of triangle ABC in the figure below



11. When marking a test of 30 questions, a teacher awards 3 marks for every correct answer and deducts 2 marks for every wrong answer. If Nancy fails 4 numbers what mark will she score?

12. A set has 127 proper subsets does it have?

13. A square tiles of each side 10 cm are to be laid on a rectangular room measuring 8m by 5m, if a box of tiles containing 50 tiles costs sh. 200000. How much money is needed buy all the required tiles?

14. The area of a circle is 154 cm^2 , find its diameter.

15. Factorise completely $6ay + 12ay^2$

SECTION B

16. The average of 6, 8, 9 and p is 7. find their range

17. A man is 45 years old now and his son. After how many years will the son be half the man's age?

18. Solve: $2y + 6 > 5y - 3$

b. Subtract $y-5$ from $6y-4$

19. Given that $y = 2x + 1$, complete the table below

X	-2	0	2
Y	-1	3	7

20.a) construct a Rhombus ABCD where diagonal AC=8cm and diagonal BD=6cm

b. Find the perimeter of the Rhombus

21. The pie chart below shows how Hector spends his pocket money



a. Find the value of y .

b. If he spends sh. 9000 more on books than on pens.

22. a) Expand 4567.87 using exponents

b. Find the diameter of the cylinder which volumes 1540cm³ and height 10cm

23 Global and Tausi bus companies release buses at intervals of 30 minutes and 50 minutes respectively. If both companies first release the first bus at 6.30am. At what time will they release another bus at the same time?

INTEGRATED SCIENCE ANSWERS TO ISSUE 15 (27TH JUNE 2024)

1. *Sarcoptes scabiei*.
2. Help the bird to tear the flesh.
3. Heat to light energy.
4. Clearing tall grass around the home.
5. It uses echoes to dodge obstacles.
6. Dicotyledonous seeds.
- 7.



8. Night blindness.
9. Boiling
10. Has jointed legs.
11. Dumping it in a dustbin.
12. Leaves turn yellow, damaged tubers.
13. Reduce the amount of effort used.

14. Regular vaccination.
15. Playing it using musical instruments
16. The sweater prevents heat from the body to escape.
17. Vulnerable group.
18. Some animals are used for transport.
19. Pivot joint.
20. Joint at T permit movement while joint at W do not permit movement.
21. Vasectomy, tubal ligation.
22. The prescription of the drug.
23. This is when plant nutrients go to the deeper layers where plant roots cannot reach.
24. Has valves that prevent the backflow of blood, it is a muscular organ which enable it to relax and contract.
25. To reduce pain.

26. Complete metamorphosis.
27. Diaphragm.
28. Warmth, oxygen, water.
29. Enable the bird to balance in air during flight.
30. To remove germs from our hands.
31. a) Septum.
32. b) Ventricles.
33. c) Arteries.
34. d) Hepatic portal vein.
35. a) An amoeba causes dysentery to humans.
36. b) Pseudopods.
37. c) Both are single celled animals, both reproduce by cell division.
38. a) OPV, BCG.
39. b) To improve the response of the immunity to some individuals.
40. c) Organising the place where immunisation is going to take place, taking information at home about immunisation.

34. a) lenticels,
35. b) High temperature, low humidity, many stomata,
36. c) Shedding the leaves.
37. a) Static electricity.
38. b) Friction force.
39. c) The comb gained charges which enable it to attract papers.
40. d) Used in photocopying machines.
41. a) All have a back bone,
42. b) P lay eggs while R give birth to live young one.
43. c) List P.
44. d) A Turtle is also a reptile.
45. 37.



Get a gas jar.
Cover the jar on the burning

46. candle.
47. The candle after sometime it will stop burning since the jar will be blocking the supply of oxygen which supports burning.
48. a) Egg eating, toe pecking.
49. b) Birds being too many in the house, poor feeding.
50. c) Give birds enough food, provide enough space for the birds.
51. a) Agroforestry.
52. b) Tall trees provide shade to short trees, tree leaves fall and improve on soil fertility.
53. c) Lopping, coppicing, Pollarding.
54. 40. a) The lungs.
55. b) i) move upwards and outwards. ii) Move downwards.
56. c) Enable people to take in oxygen needed for respiration, enable people to get rid of carbon dioxide.

SOCIAL STUDIES



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SECTION A

- 1) Give any one social importance of land to people.
- 2) What is a picture?
- 3) Give one example of a primary industry.
- 4) What title is given the head of the supreme court in Uganda?
- 5) Why are crop farmers in north eastern parts of Uganda encouraged to plant drought resistant crops?
- 6) State any one social importance of flowers to people.
- 7) Which plantation crop is grown at Kilombero Valley irrigation scheme in Tanzania?
- 8) Why did Ludwig Krapf translate the New Testament Bible into Kiswahili?
- 9) How did Kenneth Bopu promote economic developments in Uganda?
- 10) Mention one place on the road where the traffic road sign below can be found.



- 11) How is fort Jesus socially important to the Kenyans?
- 12) Why do different animal species live in different vegetation zones of Africa?
- 13) Why are school children encouraged to form discussion groups?
- 14) Why are Ugandans encouraged to pay taxes?
- 15) How do commercial banks promote economic developments among people?

- 16) Which element of weather is measured using the instrument below?



- 17) Why are schools advised to provide food to Children?
- 18) Which term was used to mean the policy of racial segregation of the black people by the Whites in South Africa?
- 19) Which international organisation was formed to promote peace and security in the world after world war 1?
- 20) Why did early explorers who came to East Africa first moved to Zanzibar island?
- 21) How is the Ministry of Education and Sports promoting sports activities in schools?
- 22) Why is Patrice Lumumba remembered in the political history of Democratic Republic of the Congo?

- 23) How did industrial revolution in Europe lead to colonisation in Africa?

- 24) State any one change brought into Africa by foreigners.

- 25) State any one negative effect of European settlers in Africa?

FOR NUMBERS 26 TO 30, ANSWER EITHER CHRISTIANITY OR ISLAM BUT NOT BOTH IN A NUMBER

- 26) Either: Who is a prophet?

OR) Who is a prophet?

- 27) Either: Why are Christians encouraged to read the Bible daily?

OR) Why are Moslems encouraged to recite the Quran daily?

- 28) Either: Why do Christians pray together?

OR) Why do Moslems pray together?

- 29) Either: Why are people encouraged to forgive each other?

OR) Why are people encouraged to forgive each other?

- 30) Either: Mention any one way Martyrs were killed.

OR) State any one way Martyrs were killed.

SECTION B

31. a) Name the body which promotes the conservation of wetlands in Uganda?

- b) Give two reasons why the body mentioned in 'a' above is evicting illegal settlers in wetlands.

- i)
- ii)
- c) Give any one challenge facing the above body.

- 32) a) What was Pan - Africanism?

- b) Give two methods which were used to promote

Pan - Africanism in Africa.

- i)
- ii)
- c) State any one challenge Pan - Africanists faced when promoting Pan - Africanism.

33. a) Give two reasons why the Boers trekked from Cape colony to the interior parts of South Africa.

- i)
- ii)
- b) State one economic result of the Great Trek.

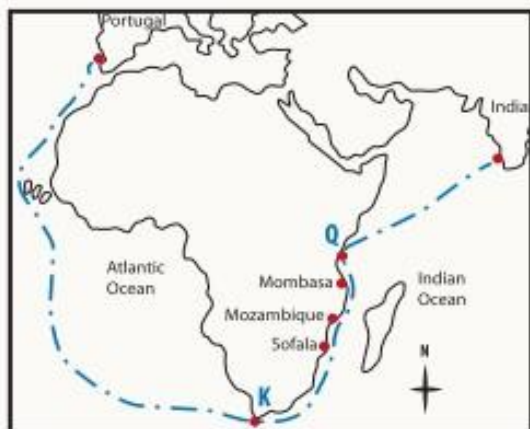
- c) How does Witwatersrand contribute to economic developments in South Africa?

- 34.a) Mention the pastoral tribe which is found in both Kenya and Tanzania.

- b) State two problems facing pastoral communities in East Africa.

- i)
- ii)
- c) How is the government of Uganda helping the Karimojong to solve the problem of shortage of water.

35.a) Use the map below to answer questions about it.



a) Which group of foreigners made the journey on the map above?

b) State two positive changes brought by the group of foreigners named in 'a' above.

c) Give any one problem the above foreigners faced.

FOR NUMBERS 39 TO 40, ANSWER EITHER CHRISTIAN OR ISLAM QUESTIONS BUT NOT BOTH

39) Either: a) Give two reasons why people should not fear death.

b) State any one way the dead are remembered according to A.T.R.

c) How do people abuse the rights of the dead today?

OR) a) Give a reason why people should not fear death?

b) How are the dead remembered according to A.T.R?

c) How do people abuse the rights of the dead today?

40) Either: a) State two ways God talks to people.

b) How did God speak to Abraham on Mountain Moriah?

c) How do Christians show respect to God during prayer?

OR) a) State two ways Allah talks to people.

b) How did Allah speak to Ibrahim on mountain Moriah?

c) How do Muslims show respect to Allah during salat?

36.a) Mention two special interest groups represented in the National parliament of Uganda.

b) Why are the youths represented in the national parliament?

c) Mention any one government programme which was formed to improve the welfare of the youths in Uganda.

37a) Which means of transport provides door to door services to people?

b) State two ways a good transport system promotes development in a country.

c) Why is the ministry of works and transport widening roads in cities and highways?

38) a) Why was Ghana called gold coast?

b) How is Uganda's geographical location different from that of Ghana?

c) Which important line of longitude passes through Accra in Ghana?

d) If it is 2:00pm in Accra which is numbered 0°, what is the time at town at K 15° west?

ENGLISH ANSWERS TO ISSUE 15 (27TH JUNE 2024)

1. of
2. since
3. would have
4. taller
5. such
6. death
7. properly
15. best
16. buffalo, elephant, lion, monkey, zebra
17. rich, rickets, ridden, riddle, risen
18. and 19. consider usage
20. couple
21. continue
22. now
23. without
24. literate
25. Jane did her homework
26. John did not do well due to illness.
27. digital video disc
28. compact disc
29. furniture
30. heads of state
31. Peter has not come to school because he is sick.
32. Naganga is not as

8. were
9. burst
10. mine
11. themselves
12. tries
13. expensive
14. sweeter
- heavy as Nafusa.
33. These mouse traps are very effective.
34. The woman shouted to a monkey in order to frighten it away.
35. Some pupils are not attentive in class.
36. We were too tired to go any further.
37. Jane said that she would finish the work the following day.
38. Every Sunday, she reaches home late.
39. In spite of the fact that she is beautiful, she isn't smart.
40. My mother preferred matoke to posho.
41. a) According to the story, one should not eat much food.
- b) The food eaten must have sufficient quantities of sugar, fats and proteins.
- d) I think one should go to bed to rest.
- e) The bad thing is thinking too much about problems.
- f) I am advised to listen to enjoyable music.
- g) It's advisable to wake up early so as to be ready for the following days' work.
- h) Singing helps in keeping the lungs healthy.

- I actually 2 remember.
42. a) The Eye Association of Uganda made this advertisement.
- b) The meeting will take place on 30th July 2024.
- c) The Eye Association members are invited for the meeting.
- d) The meeting will last for three hours.
- e) S. Peter Mwanguzi, the Eye Association General Secretary has made the announcement.
- f) The meeting will take place at Hotel Africana.
- g) I think it is Peter Mwanguzi who has written this announcement because she is the general secretary to the association.
- h) An optician who dispenses eye glasses and contact lenses.
- j) The association is found on unit 9 A, Mabirizi Complex, Kampala Road.
43. a) The poem is about the ungrateful stomach.
- b) The writer sometimes steal so as to feed the stomach.

- c) The stomach aches the writer when it wants food.
- d) When the stomach is not fed dies/it makes you die
- e) This poem has three stanzas.
- f) No, the writer doesn't know when the stomach will stop being filled.
- g) I think the writer is complaining because the stomach doesn't get satisfied.
- 44
45. POINTS TO CONSIDER
- A personal letter to a parent or guardian
- Writer's address
- Date
- Statement of the school organizing an educational tour to Entebbe Airport
- Mention of the trip fee which is 10,000/=
- Statement of request to send that amount of money in two weeks time
- Closure
- Writer's name