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MATHEMATICS

12. When marking a test of 20 questions, a teacher awards 2 marks for every correct answer and deducts a mark for every wrong answer. If Daniel gets 18 correct answers, what mark will he score?

SECTION A

1. Work out $67 + 63$

2. Simplify $4m + 4m - 6m + m$

3. Write 679 in words

4. Mujuni moved from home to school at a speed of 40km/h and returned from school to his home at a speed of 30km/h. If he used 2 hrs and 20 minutes altogether, how far is home from school?

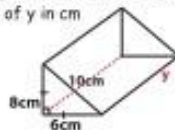
5. Solve the inequality $7 > 2p - 1 > 3$

6. 55 poles were planted along a straight road at an interval of 5m. Find the total distance the poles covered.

7. In the space below, draw a Rhombus and show all lines of folding symmetry

8. The mean of 5, 7, 8 and y is 6. Find the value of y .

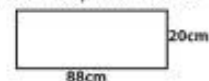
9. The sum of the edges of the triangular prism below is 108cm. Find the value of y in cm



10. Increase 6000 by $33\frac{1}{3}\%$

11. The interior angle sum of a regular polygon is 1080° . Calculate the size of each interior angle.

13. The rectangle below was curved to form a cylinder of height 20cm. Calculate the volume of the cylinder formed.



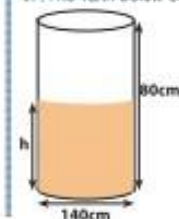
14. Change 23 45 hours to 12 hour clock

15. Express $0.2777\dots$ as a common fraction

SECTION B

16. The average mass of 5 girls is 40kg. When the teacher joins the group, their average mass becomes 45kg. Find the mass of the teacher.

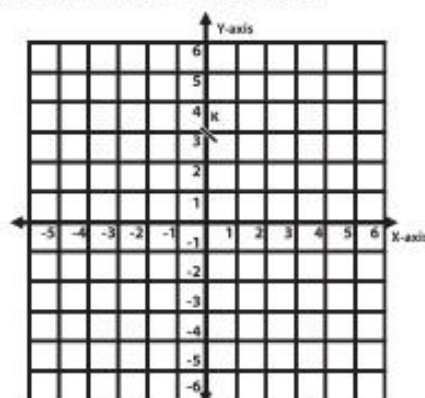
17. The tank below contains 770 litres of water.



a) Find the value of h in cm

b) How many litres of water are needed to fill the tank?

19. Plot the following co-ordinates on the Cartesian grid below and name the quadrilateral formed after joining the points P(0,3), Q(-3,0), R(0,-3) S(3,0).



18. Addison is 25 years old now and Subtraccon is 10 years. In p year, the ratio of their ages will be 2:1 respectively. Find the value of p ?

20.a) Construct a Square in a circle of radius 3.4cm

21. The mean of three consecutive integers is 12. Find the integers.

22. the length and width of a rectangle are in the ratio of 5:4 respectively and its area is 80mm^2 , find the perimeter of the rectangle.

23. Expand 567.8 using exponents
b. write 456. 66 in standard form.

INTEGRATED SCIENCE ANSWERS TO ISSUE 22 (15TH AUGUST 2024)

1. Honey/ bee wax/ Propolis
2. They have sharp canines for tearing the flesh easily/ they have high speed to enable them catch their prey easily/ they have a good sense of smell that enables them to trace their prey
3. Fleshy leaves
4. By use of solar panels
5. Stroked magnets/ induced magnets/ electromagnets
6. It can be spread from one person to another/ it is caused by germs that can be transmitted.
7. Disease attack
8. Cassava mosaic
9. It enables the plant to develop from a seed into a real plant to bear fruits later
10. Vitreous humour
11. Both regulate the amount of light entering the optical instruments they belong to
12. By raising it above the ground
13. Carbon dioxide/ water
14. Vibrio bacteria/ cocci bacteria/ bacilli bacteria/ spirilla bacteria
15. It makes food extremely cold that prevents bacteria or germ growth on or in it

16. It has ridges and cusps that make it rough for grinding food - have a broad surface for food to settle there for easy grinding.
17. To increase friction between the finger and a paper
18. Kangaroos/ koala bears/ wallabies/ Tasmanian devil
19. Conduction
20. Cassette player/ phones/ computers/ DVD player/ MP3
21. Sand soil lets water to pass through it easily while clay soil holds water for a long time
22. It is easy to obtain from sex than killing all mosquitoes in the environment
23. Wash the hands before milking/ wash the udder with clean lukewarm water to kill germs on the teats/ wash the milking devices clean before milking.
24. The block will displace 24cc of water
25. By trapping/ by poisoning them/ by chasing them physically/ by putting scarecrows in the garden
26. They have thick walls of increase resistance to blood pressure/ they have narrow lumen that increases the pressure at which blood is

- pumped
27. To preserve the drink against getting spoiled/ to prevent the breeding of germs in the drink
28. Both reduce friction
29. These are routine activities that people take to be part of their life and promote health
30. It causes warping of the timber
- SECTION B
31. a) Pitch is the highness or lowness of sound while volume is the softness or loudness of sound
- b) It makes the instrument tight due to expansion/ it causes increase in the tension of the instrument due to expansion
- c) It causes damage of the ear drum which leads to deafness
- d) It is used for entertainment in future/ it acts as prove of the record of work produced by students or pupils.
32. a) It provides colour to the skin/ it protects the skin against UV rays from the sun
- b) It reduces blood flow to the surface of the skin which reduces the rate at which heat is lost through the skin
- c) By shivering/ by formation of

- goose pimples/ by closing of the sweat pores
33. a) They are real/ they are diminished/ they are inverted or upside down
- b) Light travels in the straight line through a small pinhole which forces them to cross each other
- c) Pinhole forms the image on the translucent screen while in the eye the image is formed in the retina
34. a) 1.5v
- b) By converting chemical energy to electrical energy that runs the devices
- c) 10.5 but should show the working
35. a) Number lacing
- b) It enables the farmer to identify his animal so easily among many.
- c) Ear tagging/ branding/ tail bobbing/ ear tattooing
36. i) 6 weeks
- ii) Dysentery iii) One
- iv) Hep B. Vaccine.
37. a) To force the mercury back to the bulb
- b) i) It prevents the backflow of mercury before readings are taken
- ii) It holds mercury
- c) The temperature of the armpits is not easily interfered with by

- external stimuli especially heat.
38. a) It is used for cooling the engines/ it is used for transporting goods using ships, ferries, boats/ it is used for washing industrial products before packaging and transportation
- b) By fencing small water sources/ by avoiding any sort of dumping rubbish in wet lands/ by treating industrial wastes before dumping them
- c) Hydroelectricity/ steam energy/ tidal energy
39. a) These are bad habits or practices done by domestic birds kept in doors
- b) Cannibalism/ feather pecking/ toe pecking
- c) By picking eggs in time/ by giving birds food early energy/ by darkening laying places
40. a) They are supplied with a dense network of blood capillaries/ they are thin walled
- b) It keeps the trachea open all the time
- c) By avoiding smoking/ by doing physical exercises/ by feeding on a balanced diet/ by wearing a face mask while in dusty or smoky places

SOCIAL STUDIES



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Mrs Sarah Matovu
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SECTION A

- 1) What is the mouth of river Katonga?
- 2) Mention one special interest group of people represented in the legislative arm of the government of Uganda.
- 3) What title is given to the political head of a parish/ward?
- 4) Why is Kenneth Kaunda remembered in the political development of Zambia?
- 5) What is a constituency?
- 6) Which factor made African resistance to colonial rule easily brought down by the colonialists?
- 7) How does desert climate influence the building plans for houses in countries where it is experienced?
- 8) Which group of foreigners introduced monetary trade in Uganda?
- 9) How does UNICEF improve on the welfare of school children?
- 10) How does decentralisation policy help people to live a happy life?
- 11) State one cause of high refugee influx in Africa.
- 12) How does Red Cross help people hit by disasters in a country?
- 13) Why are prisoners given uniforms while in prison?
- 14) Name the symbol of authority a speaker of parliament uses to execute his or her duties.
- 15) How does one become a judge in Uganda?
- 16) Why is DRC called a non-landlocked country?

- 17) How is the traffic road sign drawn below useful to motorists?



- 18) How do PIASCY messages control the spread of HIV/AIDS among school children?
- 19) Which discovery during stone age period enabled early man to harden his farming tools?
- 20) Write the EAC motto.
- 21) Why is burial ceremony called a social activity?
- 22) Which traditional cash crop is persevered using flue curing method?
- 23) What are human rights?
- 24) Why did the Germans use direct rule in East Africa?

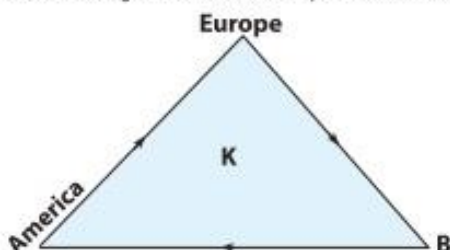
- 25) Which pastoral tribe in Nigeria practice transhumance?

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

- 26) Either, Why do Christians close their eyes when praying to God?
OR) Why do Muslims separate women from men when having general prayers?
- 27) Either, Why was Jesus Christ not liked by the Pharisees/ teachers of law?
OR) Why was prophet Mohammad disliked by some people in Mecca?
- 28) Either, Why are Christians given the sacrament of baptism?
OR) How does a person become a Muslim?
- 29) Either, Mention the commandment God gave to the Israelites through Moses which has a promise.
OR) Mention the fourth pillar of Islam.
- 30) Either, Write IRCU in full.
OR) Write IRCU in full.

SECTION B

31. Use the diagram below and answer questions about it.



- a) Which pre-colonial trade is illustrated by the diagram above?

- b) Name the Continent represented by letter B on the diagram.

- c) What was the main item of trade from the continent marked with letter B to America?

- d) Name the water body marked with letter K.

32. a) Which international organization was formed when the League of Nations (LON) failed to fulfil some of its main objectives?

- b) State two reasons why the League of Nations was formed after the first world war.

i)

- ii)
c) Mention one of the four permanent member countries that formed the League of Nations in 1920.

- 33) a) What was scramble for Africa?

- b) Mention two European countries that scrambled for Africa.

- i)

- ii)
c) Why did the countries named above scramble for African territories?

34.a) Which body organises national Housing and Population Census in Uganda?

b) Why do officials from National Housing and Population Census get the information below from people during Census?

i) education level -

ii) occupation -

c) State any one way a country benefits from its big population size.

35.a) State two similarities between Uganda and Great Britain.

i) -

ii) -

b) Give two ways Uganda benefits from being a member of Commonwealth Organisation.

i) -

ii) -

36.a) Which type of transport is best for transporting petroleum?

b) State two ways a good transport system promote industrial development in a country?

i) -

ii) -

c) Give any one factor one can consider when choosing a type of transport to use.

37) a) Give two reasons why most farmers in Uganda use subsistence farming.

i) -

ii) -

b) How does subsistence farming affect the following?

i) food production in a country: -

ii) farmers' income: -

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



a) Name the lakes marked with letters S and K

S :-

K:-

b) How were the lakes marked K and S on the map above formed?

c) Use letter XXX and mark on the map above the country which survived European colonisation.

FOR NUMBERS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH NUMBER.

39) EITHER, a) Which prayer did Jesus teach his Apostles before his Ascension to Heaven?

b) Give two needs Christians ask from the prayer mentioned in "a" above.

i) -

ii) -

c) Mention any one event when Christians pray to God.

OR) a) Which prayer is said by Moslems for a dead person before burial?

b) Give two needs Moslems ask from Allah through salat.

i) -

ii) -

c) State any one event when Moslems pray to Allah apart from the five daily prayers.

40) Either: a) Give two causes of conflicts among married couples.

b) Why are people who are planning to get married advised to consider the following factors very important?

i) HIV/AIDS test:-

ii) Age:-

OR) a, State two causes of conflicts among married couples.

i) -

ii) -

b) Why are people who are planning to get married advised to consider the following factors very important?

i) HIV/AIDS test:-

ii) Age:-

ENGLISH ANSWERS TO ISSUE 22 (15TH AUGUST 2024)

1. up
2. mechanic
3. knead
4. switched
5. bouquet
6. butcher
7. lain
15. cleanliness
16. exam, examination, examine, examiner
17. hoteller, manager, menu, water
18. How lovely it is to travel by plane!
19. We greeted him immediately he entered the classroom.
20. holidays
21. automated teller machine
22. digital video disc
24. shabbily
- 26 and 27 consider usage
28. pianos
30. trolleys
31. None of the candidates will fail PLE this year.
32. The criminal was told to enter the prison cell by the police.
33. The number was too difficult for us to solve.
8. receipt
9. Rwandans
10. socialise
11. strengthen
12. widened
13. ably
14. distant
19. I witnessed a very terrible accident.
23. undisciplined
25. niece
29. mouse -traps

34. The candidates needn't have been put in the lockdown.
35. A parent is as useful as a teacher.
36. I witnessed a very terrible accident.
37. Adrian said that he had written his holiday the previous day.
38. If I had seen her, I would have told her the story.
39. The harder Pembe worked, the more tired he got.
40. Shiran went to the post office in order to post her letter.
41. I. The poem is about motorists who deprive pedestrians of their rights.
2. Motorists deprive the writer of his rights.
3. Stanza two talks about making the writer a slave.
4. I think pedestrians use pavements to be safe from the motorists.
5. The traffic policeman tame the motorists.
6. The motorist should be judged fairly.
7. Road users should rise up and report all kinds of mistreatment.
8. There are four stanzas in the poem.
9. behaviour
10. Ituma JP is the poet.

42. 1. The notice is about a security meeting for all the residents of Katalumwa zone.
2. The notice was written on 16th July 2024.
3. The notice appeared in the New Vision newspaper of 20th June 2024.
4. All residents of Katalumwa zone are being invited.
5. Bulota Community Hall is the venue for the meeting.
6. The meeting will take place on 18th August 2024.
7. The meeting will take seven hours.
8. Every resident has to go along with their family members and their National Identity Cards.
9. Kabubu Alfred wrote this notice.
10. I think the residents were advised to go with national identity cards for easy identification.
43. 1. The passage is about school holidays.
2. A holiday is a period of time when one is free from programmed activities.
3. Many children and teachers call this period relaxation time.
4. A holiday is vital because it refreshes

- one's mind.
5. The writer compares the holiday time to a car which has been taken for service before it starts a new journey.
6. cooking
7. Teachers use the holiday time to plan for the children.
8. i important ii different
9. Town or urban children have been learning on television.
44. POINTS TO CONSIDER
- Friendly letter
- A letter to your parents
- Use your school address
- Date, salutation
- Content--thanking your parents for downloading your work from the school website.
- Assisting you with the work
- Buying you a mobile phone to enable you to have engagements with your teachers
- Telling the parents that you're going to work hard for better results.
- Closure
- Writer's name