ANSWERS TO PASS PLE ISSUE 44 (OCTOBER 2ND 2023)

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1. Iron
2. Yams
3. Syphilis spreads through sexual intercourse while yellow fever is spread through bites from aedes mosquitoes
4. Foliage leaves make food for an onion bulb since it contains chlorophyll.
5. By forming a network of cells around the cut part.
6. To prevent drug overdose and drug underdose
7. Tsetse fly
8. Its eggs hatch inside the abdomen and are laid as larva.
9. Glow worms
10. Smoking
11. Tapeworms suck digested food prepared for the body
12. Movement enables living things to get food / mates and security
13. Sweating helps to cool the body
14. Young farmers club teaches learners farming skills.
15. A blubber keeps a cetacean warm in water.
16. Friction enables a p7 candidate to write.
17. By using dustbins
18. To add nitrogen to the soil
19. Absence of enzymes that digest proteins in the mouth
20. Producers will reduce in an ecosystem
21. River blindness
22. Staying away from river banks / using traps to catch black flies
23. Loosening strings reduces the pitch of sound.
24. Biogas production does not pollute the air .
25. To ease the process of decomposition
26. Shortage of calcium
27. It may lead to overgrazing leading to soil erosion.
28. Second degree burn
29. Albinism
31. A chameleon keeps changing colours according to the environment.
32. To hold the soft part of the nose and bend forward.
33. Soft pads enable a flesh eating mammal to run after its prey without making noise.
34. Birds undergo internal fertilisation while fish undergo external fertilisation.
35. Records enable a rabbit keeper to know his profits and losses
36. a) Rinderpest - Virus / , Anthrax - Bacteria b) Dehorning prevents the injuring of other animals by those with sharp horns /Dehorning Creates space in a kraal
37. a) Water cycle. b) Presence of cold temperatures. c) Deforestation / Bush burning
38. a) Initiative. b) Abstain from sex / Avoid lonely places at night
c) Teenage pregnancy
39. a) i) canine teeth ii) Molar teeth
iii) incisor teeth b) Rinsing can not remove dental plague on teeth.
40. a) Formation of a zygote.
b) To produce oestrogen hormone
c) Prolonged anaemia / severe swelling of the hands, legs and face
41. a) To ease the process of digestion / -To prevent constipation
b) Eating hurriedly can easily lead to choking
c) Chewing food well before swallowing
42. a) VIP latrine has a vent pipe / a VIP latrine has a screen

Integrated Science

b) By smoking / pouring ash / by sweeping
43. a) Antisocial behaviour are habits not acceptable in a society.
b) Fighting / Alcoholism
c) imprisonment /
44. a) To keep the trachea open throughout
b) COVID-19 / Influenza
c) Doing regular physical exercises
45. a) Anaerobic bacteria / Nitrogen fixing bacteria
b) Drinking boiled water / Eating warmed food
46. a) Scion
b) It improves on the plant variety / Plants grow and mature faster / It makes a plant to produce good yields
c) Mangoes
47. a) A good seed to plant should be mature / a good seed to plant should be of good size
b) Row planting prevents wastage of seeds / Row planting eases weeding
48. a) Water.
b) Water dissolves almost all solutes
c) To replace the lost water and mineral salts in the body
d) Giving plenty of fluids to drink
49. a) Comb / Wattle
b) The spur enables a cock to defend itself from enemies
c) Big comb / Big wattle
50. a) To kill germs
b) Bathing regularly / Grooming fingernails
c) Long fingernails hide germs

English

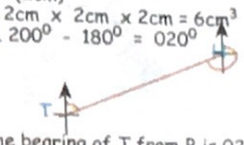
1. of
2. fare
3. barks
4. enough
5. what
6. narrowly
7. marriage
8. loosen
9. cashier
10. beautifully
11. pronunciation
12. height
13. misbehaviour
14. bridal
15. spelt
16. clean, dust, must, rain
17. tax, teach, ticket, travel
18. If you wear this dress, you will be smarter than Herbert.
19. We have been asked by the builder to lift heavy bricks.
20. The groom was driven to the reception at Sheraton.
21. I met my friend at the junction in our village.
22. That couple will not attend the party.
23. number
24. care of
25. Anita's mother has given birth to twins.
26. What a proud boy Amos is!
27. Get: verb (idea of receiving something
28. Gate: noun (idea of entrance
29. Alice's toes will get hurt if she runs.
30. Did you see the sheep at Mr. Mulera's farm?
31. The journey was so long that they could not walk it.
32. Arinda 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 bake buns.
35. Here is the boy whose aunt sent the head teacher a wedding card.
36. "John, will Anna come?" asked the teacher.
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 date on that Saturday was 10th September 2023.
(b) Grandfather Bwedda drew the curtain of the bedroom window and looked at the clock as soon as he jumped out of bed.
(c) Grandfather Bwedda had his breakfast after dressing up.
(d) Grandfather Bwedda kept his lovely hat up the wall.
(e) The walking stick made grandfather Bwedda look honourable.
(g) Grangfather Bwedda couldn't speak to his neighbours because they lacked a spirit of nationalism as they were in a garden on an Independence Day.
(f) He was getting disappointed as everyone seemed to be minding their businesses.
(h) The grandfather Bwedda expected the flags to be hung in the city.
(i) Grandfaher, Bwedda made the mistake of not reading the date very well.
(j) GRANGFATHER BWEDDA's DISAPPOINTMENT
42. (a) The above information is for Kakindu Primary School.
(b) There are five news clubs in this school.
(c) Six newspapers are published in this school.
(d) The Brightness and Day Break have the same number of readers.
(e) Cartoon Wing has the highest number of readers.
(f) Awake
(g) I think P.1,P.2, P.3. read Cartoon Wing because it is full of fun.
(h) Awake is read by only one class.
(i) The Girl's Camp is read by the largest number of classes.
(j) Twenty five pupils read the newspapers published in the school.
43. Namilyango Girls' School
PO Box 562
Mukono
3RD September 2023
Dear Mummy,
How are you and my siblings? I am doing well at school.
I am writing to apologise to you. This is because my dog broke into the chicken house and ate four of your chicks. I am indeed very sorry for that . I promise to repair the chicken house next week. I shall keep the pet locked without coming out of the kennel.
I hope I will be forgiven.
Your son
Willy

Social Studies

1) a compass
2) Savannah/ Savanna vegetation
3) to help them find directions of places of interest/ to prevent them from getting lost
4) to present the problems affecting the elderly/ for their problems/ needs to be heard
5) by setting school rules/ electing prefects/ punishing undisciplined children
6) Joseph Thomson
7) Smoking
8) to protect their children against kidnappers/ to protect their children from getting accidents on the way
9) to promote peace/ to promote security/
10) it guides leaders
11) to identify the priorities of a country/ to spend wisely/ for proper accountability
12) to promote culture
13) it was used for sewing animal skins/ for stitching animal skins
14) tropical climate
15) a right to medical care/ a right to privacy/ a right to live/ life/ a right to own property/ a right to vote leaders in an election/ a right to fair trial in courts of law
16) Uganda National Bureau of Standards { UNBS}
17) people have got jobs/ money/ entertainment
18) Cotton/ jute/ sisal/
19) a Member of Parliament
20) They used to make alarms/ through drum sound/beat
21) school garden/ markets/ gardens/ supermarkets/shops
22) diseases/ illiteracy/ early marriages/ teenage pregnancies/ low death rate/ tribalism/
23) it is a mining area for copper in DRC/ it is a source of income to DRC through mining/ it provides jobs to people
24) UPC made an alliance with KY to win DP
25) King Musingas' rebellion
26) EITHER: a rock
OR) The praised one/ praise worthy
27) EITHER: a cross/ holy cross OR) a moon/ sight of the moon
28) EITHER: God created Adam in his own image OR) Allah created Adam in his image
29) EITHER: By stealing/ telling lies/ by commiting adultery/ by fornicating/ worshiping idols/ small gods.
OR) AS ABO VE
30) EITHER: Heaven OR) Jana/paradise
31a) gold/ copper
b) to promote trade/ link Uganda to the coast of East Africa/ to make transport of raw materials easy
c) Tororo
d) attacks from man eaters/ lions
32a) Alexander Mackay
b) it helped to print prayer books and hymn books
c) they built schools/ they built hospitals/ they stopped slave trade/ they taught people the 3 R's/ they introduced new culture/ they built churches
33a) a Game Park
b) Poaching lead to extinction of wild animals Poaching reduces government revenue
c) poor transport/ poor accommodation facilities/ wild bush fires/ animal diseases/ wars/ insecurity in a country/ poor communication/
34a) it increases food production/ crops are grown throughout the year/ it turns dry land into productive land/ creates jobs for people.
b) Areas around Lake Victoria receive reliable rainfall/ have fertile soils.
c) Canal method/ gravity flow method
35a) to promote trade/ to stop slave trade/ to establish colonial rule in Africa/ to protect Christian missionaries
b) IBEACO
c) the colonialists constructed roads/ railway lines/ hospitals/ schools/ encouraged cash crop growing/promoted modern transport/ fixed Uganda's boundaries
36a) Highlands receive a lot of rainfall
b) River Zambezi
c) Rivers attract tourists who bring income/ Rivers are fishing grounds/ Rivers are used for water transport/ Rivers help in generation of Hydro electric power.
37a) Botswana
b) Mozambique channel
c) the first dot from Atlantic Ocean
d) availability of electricity/ availability of many minerals/ raw materials/ presence of both skilled and unskilled labour/ presence of many investors/ presence of capital/ ready market for goods produced/ better technology/ many sea ports that promote trade
38) EITHER: a) Forgiveness promotes love/ unity/ peace/ friendship/ prevents revenge/ prevents hatred/ promotes good working relationship/ cooperation
b) it promotes hatred/ it encourages revenge/ causes disunity among people
OR) AS ABOVE
39) EITHER: a) injustice means unfair treatment of people
b) death of people/ destruction of property/ causes fear among people/ loss of government revenue/ emigration/ loss of land
c) it leads to death of people/ it leads to destruction of property/
OR) AS ABOVE
40) EITHER: a) after death of a partner/ spouse
b) He/she should be loving/ caring/ trustworthy/ honest/ good listener/ forgives/ God fearing/ generous/ tolerant/ patient/
c) Marriage brings people together during introduction meetings/ marriage brings people together during wedding meetings/ marriage brings people together during wedding

Mathematics

1. $77 \div 11 = 7$
2. $y\{2, 3, 5, 7, 11\}$
$n(x) = 5$
$nC = 2^n$
$= 2^5$
$= 2 \times 2 \times 2 \times 2 \times 2$
$= 32$
3. 7 8 4 4
+ 0
7 8 0 0 7844 ≅ 7800
4. 8 | No
3 | 9
3 | 3
| 1 $a = 3^2$
$3^y \times 3^0 = 3^2$
$3^y \div 3 \times 3^0 \div 3 = 3^2 \div 3$
$y + 0 = 2$
$y = 2$
5. $-2 \times -8 = 16$
6. $2(a - b) = 2(-3 - 2)$
$= 2x - 3 - 2 \times 2$
$= -6 - 4$
$= -10$
7. 25km are covered sing 7 litres
1km will be covered by $\frac{7}{25}$ litres
75 km will be covered by $\frac{7}{25} \times \frac{75}{1}$ l
$= 7 \times 3 = 21$ litres
8. 0 0 : 2 5hours
+ 1 2 : 0 0
1 2 : 2 5am
9. $\frac{1}{2} \times \frac{22}{7} \times 21dm \times 21dm$
$= 11 \times 3dm \times 21dm = 693dm^2$
10. sh. 1 6 5 0 0 0
+ sh. 2 5 0 0 0
sh. 1 9 0 0 0 0
The selling price should be sh. 190,000
11. 22 = 112 three
$2 \times n^{in} + 2 \times n^0 = 1 \times 3^2 + 1 \times 3^1 + 2 \times 3^0$
$2n + 2 = 9 + 3 + 2$
$2n + 2 = 9 + 5$
$2n + 2 - 2 = 14 - 2$
$\frac{2n}{2} = \frac{12}{2}$ $n = 6$
12. $S.A = 6S^2$
$\frac{24cm^2}{6} = \frac{6}{6}$
$4cm^2 = S^2$
$\sqrt{4cm^2} = \sqrt{3^2}$
$\sqrt{2cm} \times 2cm = \sqrt{3} \times 1$
$2cm = 3$
$V = S^3$
$= (2cm)^3$
$= 2cm \times 2cm \times 2cm = 6cm^3$
13. $200^0 - 180^0 = 020^0$



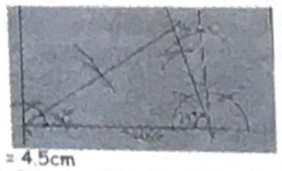
The bearing of T from B is 020^0
14. Let each part be m

Boys	Girls	Total
7m	2m	9m

$7m = 35$
$\frac{7m}{7} = \frac{35}{7}$ $m = 5$
$9m = 9 \times 5 = 45$
15. $y + 65^0 = 130^0$
$y + 65^0 - 65^0 = 130^0 - 65^0$
$y = 65^0$
OR $y + 65^0 + (180^0 - 130^0 = 180^0$
$y + 65^0 - 50^0 = 180^0$
$y + 115^0 = 180^0$
$y + 115^0 - 115^0 = 180^0 - 115^0$
$y = 65^0$
16. $P = 2(L + W)$
$= 2(90 + 30)m$
$= 2(120)m$
$= 2 \times 120m = 240m$
No of poles $= \frac{240}{5} = 48$ poles
18. $0.2323 = \frac{23}{100}$
$\frac{N - 0}{D - 1} = \frac{13 - 0}{100 - n} = \frac{23}{99}$
19. $7569 = 7569 \div 10 = 756.9$
$756.9 \div 10 = 75.69$
$75.69 \div 10 = 7.560$
Therefore $7569 = 7.569 \times 10^3$
20.

Mark	Tally	Frequency
52	II	2
49	I	1
64	I	1
61	I	1
74	I	1

Modal mark is 52
22. $(30cm)^2 - (24cm)^2 = h^2$
$30cm \times 30cm - 24cm \times 24cm = h^2$
$900cm^2 - 576cm^2 = h^2$
$324cm^2 = h^2$
$324cm^2 = h^2$
$18cm \times 18cm = h \times h$
$18cm = h$
$A = \frac{1}{2} \times 18cm \times 24cm$
$= 9cm \times 24cm = 216cm^2$
$216cm^2 - 62cm^2 = 154cm^2$
$\pi r^2 = 154cm^2$
$\frac{22}{7} \times r^2 = 154cm^2$
$7 \times \frac{22}{7} r^2 = 154cm^2 \times 7$
$\frac{22r^2}{22} = \frac{154cm^2 \times 7}{22}$
$r^2 = 7cm \times 7$
$r^2 = 49cm^2$
$r^2 = 49cm^2$
$r = 7cm$
23. $D = S \times T$
$= 90km/hr \times 2^2/_3 hr$
$= \frac{90km}{hr} \times \frac{8}{3} hr$
$= 30km \times 8 = 240km$
60% repr 240km
1% will repr $\frac{240 km}{60\%}$
100% wikk repr $\frac{240km}{60\%} \times 100$
$= 4km \times 100 = 400km$
24. $\frac{1}{3} + \frac{1}{4} + \frac{1}{8} = \frac{8 \times 1 + 6 \times 1 + 3 \times 1}{24}$
$= \frac{8 + 4 + 3}{24} = \frac{15}{24} = \frac{5}{8}$
$\frac{8}{8} - \frac{5}{8} = \frac{8 - 5}{8} = \frac{3}{8}$
b) If 3 parts repr 24,000
Then 8/3 will repr $\frac{8}{5} \times 24000$
$= 8 \times 93,333.3 =$ sh 746,666.4
25. sketch



YZ = 4.5cm
26. $0.8 \times h - 0.8 \times 2 - 0.25 \times h - 0.25 \times 1 = 1$
$\frac{8h}{10} - \frac{8}{10} \times 2 - \frac{25}{100} \times h - \frac{25}{100} \times 1 = 1$
$= \frac{8h}{10} - \frac{16}{10} - \frac{25h}{100} + \frac{25}{100} \times 6 = 1$
$= \frac{8h}{10} \times 100 - \frac{16}{10} \times 100 - \frac{25h}{100} \times 100 + \frac{25 \times 6 \times 100}{100} = 1$
$= 8h \times 10 - 16 \times 10 - 25h + 150 = 1$
$= 80h - 25h - 160 + 150 = 1$
$= 45h - 10 = 1$
$45h - 10 + 10 = 1 + 10$
$\frac{45h}{45} = \frac{11}{45}$ $h = {}^{11}/_{45}$ OR 0.24
b) Let the year be y

Time	Ben	Ken
Now	25yr	10yrs
In y yrs	25 + y	10 + y

$1/2(25 + y) = (10 + y)$
$2 \times \frac{1}{2}(25 - y) = 2(10 + y)$
$25 - y = 2 \times 10 + 2 \times y$
$25 - y = 20 + 2y$
$25 - 25 - y = 20 - 25 + 2y$
$-y = -5 + 2y$
$-y - 2y = -5 + 2y - 2y$
$-y = -5$
$-1 \times -y = -1 \times -5$
$y = 5$
In 5 years time
27. Bread: 2 x sh 5500 = sh 11,000
Soap = sh 18,000
Cyrup powder $2^1/_2$kg = 2500g
500g cost sh 1000
2500g will cost $\frac{2500g \times 1000}{500g}$
$= 5 \times$ sh 1000 = sh 5000
Total Cost
sh 11,000 + sh 18,000 + sh 5000
= sh 44000
b) 100% - 10% = 90%
$\frac{90 \times \text{sh } 44,000}{100}$ = sh 39,000