

ANSWERS TO PASS PLE ISSUE 41 (SEPTEMBER 21<sup>ST</sup> 2023)

## Integrated Science

38. a) Goats produce more frequently than cattle/ goats cost less which enables the farmer to stock easily as compared to stocking cattle.

b) Mohair/ meat/ skins/ milk  
c) They damage the skin of the animal/ they spread some diseases to the animals.

39. a) It is colourless/ it is odourless/ it is tasteless/ it boils at 100°C and freezes at 0°C

b) It dissolves mineral salts in the body/ it softens food for easy digestion

c) By boiling/ by treating it with chemicals eg chlorine

40. a) Arson

b) It leads to destruction of materials or property/ it leads to death of animals and people

c) By giving guidance and counselling to the students/ by expelling wrong doers/ by praising well behaved children and punishing wrong characters in the school/

by looking into the needs of the students at school/ by keeping the students busy at school all the time

41. a) Frustrations/ idleness/ boredom/ peer influence/ poor family background/ poor social environment.

b) Self esteem/ self awareness/ assertiveness/ decision making/ effective communication.

42. a) Both reproduce by laying eggs/ both undergo internal fertilisation.

b) They lay their eggs in sand which provides warmth for their eggs to hatch.

c) They provide skins used for making different crafts/ they act as tourist attraction/ they are eaten as food.

43. a) Skull----- Fixed joint

b) Ligament----- Bone to bone connection

c) Synovial fluid----- Lubricant  
d) Vertebrae----- Irregular bone

44. a) Weather is the condition of the atmosphere at a given time and place.

b) Sunshine / cloud cover/ wind/ temperature/ rainfall.

c) Rainfall

45. a) They are eaten as food/ they are used for feeding animals/ they are used for decoration/ they are used as herbal medicine

b) They are supplied with numerous veins that supply water in all parts of the leaf/ it has a large lamina that increases the surface area for photosynthesis/ they have numerous numbers of stomata that enable it to receive enough carbon dioxide to form glucose

c) In the lamina or leaf blade

d) It enables plants to get food or to feed.

46. a) Sound can be reflected  
b) Whales

47. a) It enables the body to get energy.

b) The lungs c) Choking  
d) Smoking tobacco/ staying in dusty places/ staying in congested places

48. a) Trypanosoma

b) Fresh water snail

c) Chlamydia trachomatis

d) Onchocerciasis or River blindness

49. a) This is the growing of trees alongside crops in the same piece of land.

b) The trees help in controlling soil erosion in the garden/ trees drop their leaves that decay to for manure in the soil.

## Mathematics

$$\begin{array}{r} 08 \\ 6 \overline{) 48} \\ \underline{48} \\ 0 \end{array}$$

$$48 \div 6 = 8$$

$$449 = 600 + 40 + 9$$

$$= DC + XL + IX$$

$$= DCXLIX$$

$$3. (WUX)^1$$

$$-8 + -4 = -12$$

$$\frac{11}{2} \times \frac{3}{4} = \frac{3}{2} \times \frac{13}{4} = \frac{3}{2} \times \frac{4}{13} = \frac{6}{13}$$

$$4 \times 8 = 32 \text{ eggs}$$

$$= \text{sh. } 500 \times 32 = \text{sh. } 16,000$$

$$9 \times 10^2 = 900.00$$

$$6 \times 10^0 = 6.00$$

$$3 \times 10^{-1} = 0.30$$

$$8 \times 10^{-2} = 0.08$$

$$\frac{906.38}{2} = 453.19$$

$$4(4m - 1) - 1(2m - 4)$$

$$4m - 1 - 1 \times 2m - -1 \times 4$$

$$4m - 1 - 2m + 4$$

$$4m - 2m - 1 + 4$$

$$2m + 3$$

$$10. 1 \text{ US dollar} = \text{Ug sh. } 3650$$

$$125 \text{ US dollar} = \text{Ug sh. } 3650 \times 125$$

$$= \text{Ug sh. } 456,250$$

$$11. \frac{1}{3}, \frac{4}{3}, \frac{7}{3}, \frac{10}{3}, \frac{13}{3}, \frac{16}{3}, \frac{19}{3}$$

$$= 16 \times 19 = 304$$

$$12. \frac{4}{7} + \frac{33}{7} = \frac{37}{7} \text{ (finite 7)}$$

$$\frac{37}{7} = 5 \text{ rem } 2$$

$$\text{therefore } 4 + 33 = 2 \text{ (finite 7)}$$

$$14. \frac{4}{3} \times \frac{3}{4} + 1 \times 4 = 10 \times 4$$

$$= 3 \times 4 = 40$$

$$= 3 \times 4 - 4 = 40 - 4$$

$$= \frac{3 \times 4}{4} = \frac{12}{4} = 3$$

$$15. 2y = 110^0 \text{ (vertical opp } <s)$$

$$\frac{2y}{2} = \frac{110^0}{2} \quad y = 55^0$$

$$16. \frac{8}{5} \times \frac{625}{125} = \frac{625}{125} = 5$$

$$\frac{5}{5} \times \frac{125}{25} = \frac{125}{25} = 5$$

$$\frac{5}{5} \times \frac{25}{5} = \frac{25}{5} = 5$$

$$\frac{5}{5} \times \frac{5}{1} = \frac{5}{1} = 5$$

$$2x + 2 = 4$$

$$2x + 2 - 2 = 4 - 2$$

$$\frac{2x}{2} = \frac{2}{2} \quad x = 1$$

$$17. p + 30^0 = 90^0$$

$$p + 30^0 - 30^0 = 90^0 - 30^0$$

$$p = 60^0$$

$$180^0 \text{ OR } 360^0$$

$$+ 60^0 \text{ OR } -120^0$$

$$\frac{240^0}{240^0} = 1$$

$$18. 1 \text{ tonne} = 1000 \text{ kg}$$

$$100 \text{ kg} = 1 \text{ tonne}$$

$$1 \text{ kg} = 1/1000 \text{ tonnes}$$

$$1340 \text{ kg} = \frac{1}{1000} \times 1340 \text{ kg} = \frac{134}{100}$$

$$= 1.34 \text{ tonnes}$$

$$19. S = D \div T$$

$$= \frac{80 \text{ m}}{4 \text{ sec}} = 20 \text{ m/sec}$$

$$1 \text{ m} = (1/1000) \text{ km}$$

$$1 \text{ sec} = (1/3600) \text{ hr}$$

$$= \frac{20}{1000} \text{ km} \times \frac{1}{3600} \text{ hr}$$

$$= \frac{20}{1000} \times \frac{1}{3600}$$

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## English

fellow candidates.

b) They have been preparing for PLE this time.

c) I think they have been preparing for PLE.

d) They need to consult their teachers much more as they wait to reap what they sowed.

e) The group leaders can help the other group members to understand the concepts more.

f) They have to honour and respect God in faith and sincerity to get wisdom from God.

g) They should thank their parents for all the provisions they have given them.

h) Besides parents, they also have to appreciate the teachers.

i) The teachers have not spared anything when teaching us.

j) THE LONG AWAITED TIME/ PRIMARY LEAVING EXAMINATION

42. a) The information is about Rise Up Vocational Institute, the courses, duration and fees for each course.

b) The above mentioned institute

is found in Bulisa on Kitwe Road.

c) Seven courses are shown on the table.

d) Baking and fashion and design are the shortest courses shown on the table.

e) Two students taking hair dressing can pay six hundred twenty thousand shillings.

f) Kaiso the school secretary did computer studies.

g) Motor vehicle repair requires a student to pay five hundred ten thousand shillings.

h) If you want to learn how to make cakes, you can offer baking.

i) Computer science takes much more time than others.

43. a) Good afternoon John.

b) I have not been attending school for two weeks because I have been sick.

c) I have been suffering from Malaria. d) I was treated from Mild Care International Hospital.

e) I was given three injections (any number is ok)

f) I don't think I will come to school tomorrow.

relatives/ there is less boredom

37. a) River Semliki b) Hippo

c) mark correctly  
d) Bagisu/ Bamasaba

38. a) Either: a) Baptism  
b) white cloth/ lit candle/ holy water/ anointing oil

c) to show an example to other people OR: a) Shahadat  
b) Quran/ Crescent (moon and star)

c) to promote order  
39. a) He wanted to confuse his enemies/ he wanted his disciples to understand his messages better

b) i) to be prepared for the kingdom of God/ always to be prepared  
ii) to forgive/ to ask for forgiveness/ not to be greedy

OR: a) to strengthen their faith in God/ to get blessings/ to get titles of Haji and Hajjat

b) i) Hijja ii) Miraj  
40. a) A creed is a set of religious beliefs

b) Apostles' Creed/ Nicene Creed  
c) belief in one God/ belief in Holy books/ belief in judgement day/ belief in Angels/ belief in prophets/ OR: a) These the teachings or practices of Prophet Mohammad

b) belief in one Allah/ belief in prophets/ belief in holy books/ belief in Judgement day/ belief in Angels/

## Social Studies

19) elephants  
20) linear scale

21) for identification

22) diamond

23) they take long to mature

24) to supervise/ monitor education programmes in schools/ to ensure that schools provide conducive environment for the learners/ supervises the sanitation of schools in a district

25) Asia

26) Either: respect your father and mother and leave longer

OR: hijja

27) Martyrs

OR: Martyrs

28) Either: to be counted / for population census OR: Mecca

OR: Christians

29) Insecurity hinders trade/ insecurity does not promote trade in a country/ insecurity hinders tourism.

30) Either: Ishmael

OR: Ismail/ Ismael

31. a) Cape colony

b) the Dutch c) The Great Trek

d) it led to discovery of Gold and diamond/ new states were formed/ the natives lost their land to the boers.

32. a) Dr. David Livingstone

b) He wrote reports about the evils of slave trade in Africa/

1) registration

2) needn't/will/must/would/ should

3) had

4) has

5) neither

6) continuously

7) permission

8) apologetic

9) absence

10) truly

11) been

12) edition

13) malicious

14) comfortably

15) knives

16) affection, affectionate, after, afraid

17) insomnia, subordinate, register, registration

18) The ladies' bags have been cleaned by the cobbler.

19) The heads of state arrived safely in Johannesburg.

20) Our book shelves contain a number of readers.

21) He had/ He would.

22) Please reply

Pages/post script/ post paid

24) The criminal was beaten mercilessly.

25) All the applicants for the post of the sales manager have been qualified.

26) Ichuli was buried six months ago.

27) He was the best player this

1) grass/ hard palm leaves

2) food/ shelter/

3) meetings organising meetings/ conferences/ through media

4) a gun/ bow and arrow/ panga/ baton

5) windy

6) District Health Officer/ DHO

7) political parties united people to fight for independence

8) they castrate animals/ vaccinating animals/dehorning

9) land

10) URA

11) It has many means/ it provides door to door services/ it is cheap

12) it is built using weak materials/ it is built using materials that are not long lasting

13) Cotton/ sugarcane

14) Religious holidays/ school holidays/ public/ national holidays

15) He led DRC to independence

16) Germany East Africa Company