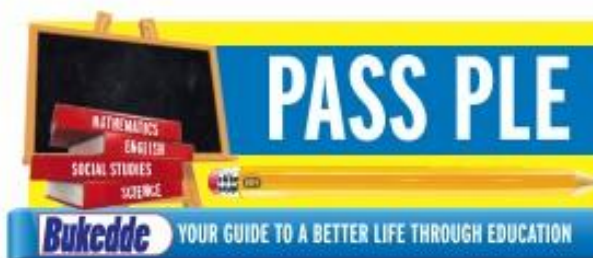


ANSWERS TO MATHEMATICS BUKEDDE MOCK EXAMINATION P13



Mr. Josephat Karubanga
Kabojja Junior School



Mr. Bernard Mbyehezya
Kampala Parents Sch



Mr. Michael Musinguzi
Budo Junior School

MATHEMATICS

SECTION A

1. Given that: $4\Delta + 15 = 62$, find the digit represented by the Δ .

2. Express CDIV in Hindu Arabic numerals.

3. Given that
set $K = \{ \text{all composite numbers less than } 13 \}$
 $M = \{ \text{all triangular numbers less than } 16 \}$
Find $K - M$

4. If $a = -10$ and $b = 3$ find the value of $(a - b) + (b - a)$

5. Three heaps of sweetpotatoes cost sh. 20,000. Calculate the cost of nine heaps of potatoes.

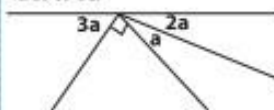
6. Given that $3^y = 81$, what is the value of y ?

7. Water and milk are mixed to make tea in the ratio of 3 : 2 respectively. How many litres of milk are in 30 litres of tea?

8. The bearing of X from Y is 090° . Using a sketch diagram, find the bearing of Y from X.

9. Kirya drove from his home to the school at a speed of 90km per hour from 7:50am to 9:10am. How far is it from school to Kirya's home?

10. Study the figure below and find the value of $5a$.



11. One dollar costs Ug. Shs. 3700. How many dollars will one get after exchanging Ug. sh.555,000?

12. Juliet put 3 litres of juice in 12 cups equally. How many millilitres were put in each cup?

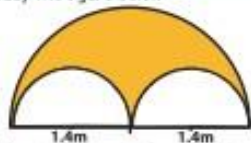
13. Express 0.6555... as a fraction

14. Find the solution set for $-3 \leq y < 3$

15. If $3 \times 3 = p$ (finite 5) what is the value of p ?

SECTION B

16. Study the figure below:



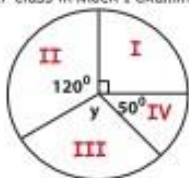
Work out the area of the shaded part.

a) How old is Okot now?

b) What will be the sum of their ages in ten years' time?

17. Willy is 6 years older than Okot. In 10 years time, Okot will be $\frac{7}{9}$ of Willy's age.

18. The pie chart below show grade I,II,III and IV scored by a P7 class in Mock 1 examination.



a) Find the value of y .

b) If 45 candidates passed in grade I, find the total number of candidates in that class.

c) How many more candidates passed in grade II than in grade III?

19. If $12\frac{1}{2}\%$ of the population in Kito village are adults and the rest are infants, how many infants are in this village if the total population is 600 people?

20. (a) With the help of a pair of compasses, a ruler and a pencil only, construct a triangle ABC in which $AB = 6\text{cm}$, $BC = 8\text{cm}$ and $AC = 10\text{cm}$.

(b) Measure angle ABC.

21. In a class, $\frac{1}{3}$ of the pupils like Music, $\frac{2}{5}$ like Games and the rest like Home Economics. There are 200 pupils who like Home Economics.

a) Find the total number of pupils in that class.

b) How many more pupils like Music than Games?

22. A car which travels at a speed of 50km left town L for town M at 7:30am and reached town M at 1:30pm. How far is town M from town L?

23. a) Set $P = \{\text{All square numbers less than } 40\}$, find $n(P)$

b) Find the next pair of numbers in the series below:
(3,4) (4,6) (5,8) , (.....) (.....)

INTEGRATED SCIENCE ANSWERS TO ISSUE 23 (22ND AUGUST 2024)

1. The shoot system.
2. Their eggs are fertilized externally.
3. To protect itself.
4. The eye lid.
5. Trimming helps to remove the hiding place for germs that cause diarrheal diseases.
6. Charcoal is formed.
7. Friction force.
8. Used to sharpen tools, enable people to grip things.
9. Fly screen/ screen.
10. Few birds are kept.
11. Use of charcoal saving stoves, covering what you are cooking.
12. Can lead to poisoning incase you swallow expired drugs/ lead to under dose.
13. The volume of the chest cavity increases to create space for the lungs to expand.
14. They eat ticks found on the

- body of cattle.
15. It is where mercury rises and falls.
 16. By capillarity.
 17. B
 18. Has a greater electrical resistance.
 19. Coppicing, lopping, pollarding.
 20. Internal parasites.
 21. Sharing sponges, towels and bansins.
 22. They are more sexually active than boys.
 23. Fractional distillation/ fractionation.
 24. Fertilizers kill organisms that help in soil aeration.
 25. Doing physical exercises, having enough rest, eating a balanced diet.
 26. Through the drops in the mouth.
 27. Biological change.
 28. Add bulk to food, help to

- overcome constipation.
29. Abdominal pain, fever, dehydration, vomiting.
 30. By vibration of the string when bowed.

Section B.

31. a) Water, lactic acid, urea.
- b) produce sweat.
- i) by vasoconstriction, closing the pores, development of goose pimples.
- ii) by vasodilation, the hair laying on the skin, opening of the pores.
32. a) i) keep the fish buoyant.
- ii) for swimming.
- iii) detects sound waves.
- b) diffusion.
33. a) these are chemical compounds protein in nature that speed up chemical reactions in the body.
- b) form the same end product,

- work under a certain degree of alkalinity or acidity.
- c) transport digested food from the ileum to the liver.
 34. a) a blister is formed, blotchy skin, severe pain.
 - b) to prevent dehydration.
 - c) sugar attracts house flies that can contaminate the wound.
 35. a) P. Propping.
 - Q. Staking.
 - b) Method Q.
 - c) make harvesting easy, make pruning easy, make spraying easy.
 36. a) Regular physical exercises, having regular meals, eating alot of vegetables, taking ferro B complex.
 - b) blood transport oxygen, transport digested food, regulate body temperature.
 37. a) tarmacking the compound.
 - b) mulches can easily be taken

- by run off.
- c) flowing water, wind.
 38. a) Merino sheep, dorper, corriedale.
 - b) farmers provide wool use in textile industries.
 - c) East coast fever, heart water.
 39. a) myriapods.
 - b) Animals in T have three main body divisions while those in U have two main divisions.
 - c) cray fish, krill, prawn, copepod.
 40. a) it can easily melt incase of a short circuit.
 - b) Bronze, dentist amalgam, brass.
 - c) Bimetallic strip in a thermostats, electric wires sag during a hot sunny day.

1. Which type of rainfall is received in areas near swamps?

2. Give anyone way Regional economic blocs can overcome the challenge of production of similar goods in the region.

3. Name the forces responsible for the formation of Cape ranges in Southern Africa.

4. State any one challenge URA faces when collecting taxes from people.

5. Why should the Electoral Commission carry out voter education among people before voting takes place?

6. In which way did the landscape of Sudan support the establishment of Gezira Irrigation Scheme?

7. In the space below draw a map symbol of an archaeological site.

8. Why are the Cushites remembered in the economic development of Africa.

9. Why do trees in tropical rain forests have broad leaves?

10) Give a reason why the Uganda railway line was extended to Kasere during colonial time.

11) Mention any one natural disaster that checks on population growth in a country.

12) State any one way parents promote education of children in African countries.

13) Give any one reason why schools track daily attendance of children in classes.

14) Give any one reason why most educated youths are leaving Uganda to Middle East countries today.

15) How did the creation of South Sudan as an independent state affect Sudan?



Mr. Willy Kataswa
Greenhill academy
Kibuli Campus



Mr. Patrick Bugembe
Mbarara Municipal
School



Mrs Sarah Matovu
St Peters Nsambya
Primary School

SOCIAL STUDIES

SECTION A

16) In 2026, Uganda will hold General elections. State any one way the Electoral Commission can ensure free and fair elections.

17) State any one reason why desert dwellers build houses with ceiling boards.

18) Which common market replaced the Preferential Trade Area in Africa?

19) In which way do Prison officers help to promote the work of Judiciary in Uganda?

20) Why did IBEACO withdraw its activities from Uganda during colonial rule?

For No.21-22, study the diagram below and answer the questions that follow.



21) What do the blue strips marked K represent on the Uganda National Coat of Arms drawn above?

22) What message is conveyed from the words written at the bottom of the national attribute drawn above?

23) Mention the American explorer who made three journeys to Africa.

24) What is a sketch map?

25) Why is Namib desert called a marine desert?

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

26) Either: Why did God destroy the cities of Sodom and Gomorrah using brimstone and sulfur rain?

Or: Why were the Meccan Pagans against Prophet Muhammad?

27) Either: Which animal did an Angel of the lord provide to Abraham to serve as a sacrifice to God instead of Isaac?

Or: Which animal did an Angel of Allah provide to prophet Ibrahim for sacrifice instead of Ismail?

28) Either: How is the fruit of humility important to Christians?

Or: Why should a Muslim child be humble always?

29) Either: In which way did Jesus Christ fulfil God's plan for man's salvation?

Or: State one way Prophet Muhammad saved the lives the needy.

30) For both: What do you understand by the term Prayer?

SECTION B

31) a) What are natural resources?

b) In which one way do people use a resource called land to meet their needs?

c) State two ways in which low skilled labour force has affected the utilization of resources in Africa.

i) _____

ii) _____

32) a) What is Multiparty system of governance?

b) State any two advantages of multiparty system of government.

i) _____

ii) _____

c) Give any one indicator of democracy in a country like Uganda.

33) Complete the table below correctly

Nationalist	Political party	Country
i Jomo Kenyatta	-----	Kenya
ii -----	NCNC	Nigeria
iii Kenneth Kaunda	ZANU	-----
iv -----	TANU	Tanzania

34) Study the diagram below and answer the questions that follow.



a) Which method of controlling soil erosion in highland areas is practiced as shown above?

b) State one reason why soil erosion is controlled in mountainous areas.

b) Apart from the method above, give two other methods of controlling soil erosion in the area shown above.

35. a) Write UNHCR in full.

b) State any two ways UNHCR gives aid to people affected by wars.

i) _____

ii) _____

c) Apart from UNHCR, give one other UN specialized agency which gives relief to people affected by wars?

36) Match list A to list B correctly

A

i) Drakensberg

ii) Cape ranges

iii) Rwenzori Mountains

iv) Lake Volta

B

Faulting

Man's action

Folding

Volcanicity

i) Drakensberg

ii) Cape ranges

iii) Rwenzori Mountains

iv) Lake Volta

37a) Why were the Portuguese explorers interested in finding a sea route to India instead of using the one through Ottoman empire?

b) How was Prince Henry the Navigator helpful to the Portuguese explorers who came to East Africa?

c) Mention any one factor that contributed to success of the Portuguese rule along the Coast of East Africa.

d) How did the discovery of sea route to India by Vasco da Gama benefit the Portuguese explorers?

38) Study the map of Africa below and answer the questions that follow correctly.



a) Name the Sea Port marked P

b) Mention any one way feature Q support the success of Gezira irrigation farming in Sudan.

c) Which line of latitude crosses the shaded area on the map above?

d) How do prevailing winds marked R affect the climate of Africa?

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

39) Either: a) "I don't know, he replied, "Am I my brother's keeper?" Gen:4:9. Who tactfully said the words in the quotation?

b) Which son did God give to Adam and Eve after the death of Abel?

c) How did God punish Cain for killing his brother Abel?

d) State any one way in which Christians have failed to live up to God's standards.

OR: a) Name one son of Adam and Hawa

b) Which son of Adam and Hawa was killed by his brother?

c) State any two ways in which Muslims have failed to live up to Allah's standards.

i) _____

ii) _____

40) Either: a) State any two common beliefs in Christianity and African Traditional Religion (ATR)

i) _____

ii) _____

b) Mention any two evil practices done in African Traditional Religion that are condemned in Christianity.

i) _____

ii) _____

OR: a) State any two common beliefs in Islam and African Traditional Religion (ATR)

i) _____

ii) _____

b) Mention any two evil practices done in African Traditional Religion that are condemned in Islam.

i) _____

ii) _____

ENGLISH ANSWERS TO ISSUE 23 (22ND AUGUST 2024)

1. an
2. puppies
3. what
4. among
5. than
6. performed
7. theirs
8. twelfth
9. teeth
10. hotter
11. wooden
12. well
13. blown
14. departure
15. widen
16. arrival, journey, house, travel
17. spot, spotting, sport, sports
18. My niece is getting married soon.
19. When are we harvesting our crops?
20. What beautiful mats he weaves!
21. and 22. consider usage
23. Reverend
24. do not
25. laziest
26. niece
27. countries
28. media

29. conductor
30. beef
31. The mechanic sent for his toolbox because he wanted to get a pair of pliers.
32. Both my brother and my cousin have shops in town.
33. There wasn't any honey in the tea.
34. What a beautiful woman Mbayo has married!
35. As soon as the busy road was clear, we crossed the road.
36. Naluku is so beautiful that she will win the beauty pageant.
37. The bed is too small for the three boys to sleep on.
38. Jonathan prefers fresh fish to chicken.
39. This is the woman who was knocked by a speeding car.
40. weren't there?
41. a. Gilberto witnessed the accident on Monday.
- b. A saloon car and a motorcycle were involved in the accident.
- c. According to the story, two people died.
- d. Speeding of vehicles caused the accident.
- e) The traffic police took few minutes to reach the scene of the accident.
- f) The accident occurred at the junction on Abalungi Road.
- g) dreadful
- h. ROAD ACCIDENTS
42. a) The poem is about the work of a farmer.
- b) Four stanzas make up the above poem.
- c) The farmer's work is very hard but interesting according to the first stanza.
- d) According to the poem rain enables seeds to sprout.
- e) Weeds compete with his crops for nutrients.
- f) The writer wants to work on the farm.
- g) well-known
- h) Enkumbi Terimba wrote the poem.
- i) Pests kill the crops.
43. a) The information above is a shopping list.
- b) Francis' shopping list is shown above.
- c) Ten items appear on the shopping list.
- d) The most expensive item on the above

- shopping list is charcoal.
- e) Francis paid ninety thousand shillings altogether.
- f. Salt is the cheapest item on the above shopping list.
- g. The most expensive item on the shopping list is eighty thousand shillings according to the above shopping list.
- h. Tomatoes are sold in basins according to the shopping list.
- i) Mrs Mukosa would spend seventy seven thousand shillings if she bought two bunches of matooke, five kilograms of rice and a crate of soda.
44. a) Welcome, madam.
- b) Good evening, madam.
- c) What are you complaining about?
- d) When it start?
- e) Did you take any pain killer?
- f) You should run a malaria test.
- g) You have malaria parasites in your blood sample.
- h) Do you sleep under a treated mosquito net?
- i) I advise you to sleep under a treated mosquito net always.