

BROAD EXAMINATIONS®

P.7 INTEGRATED SCIENCE EXAMINATION

PRE-PLE TRIAL SET II 2022

Time allowed: 2 hours 15 minutes.

Random No.	Personal No.

Candidate's Name:

Candidate's Signature:

School Name:

Read the following instructions carefully:

1. This paper is made up of two sections: A and B.
2. Section A has 40 questions (40 Marks)
3. Section B has 15 questions (60 Marks)
4. Answer ALL questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiners' use only.

Teacher's comment to the learner

.....
.....
.....
.....
.....

**FOR EXAMINER'S
USE ONLY**

PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Approved by:

Agumelka

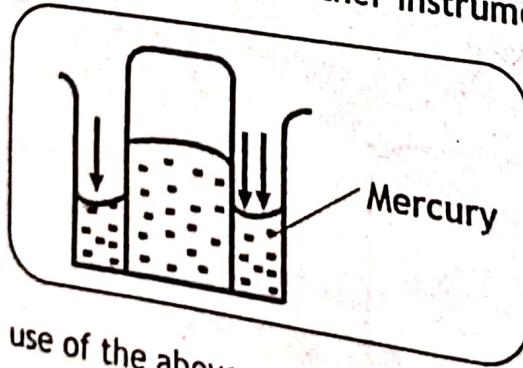
Team Head Science Dept.

SECTION.A. (40 MARKS)

1. Name the structures that attach a bone to a bone in the human skeletal system.
2. Give the name of an arachnid that gives birth to live young ones.
3. In which one way can farmers prevent their layer birds from laying soft shelled eggs?
4. Give a reason why *lightning* conductors should be installed on tall buildings.
5. Mention any one way of reducing echo in cinema halls.
6. Name the component of air which is given out as a byproduct of respiration.
7. State one way uranium is used as an energy resource.
8. Why does a polythene bag float on water?
9. Write down any one characteristic of essential drugs.
10. Give one way a magnet is useful to a doctor in a hospital.

11.

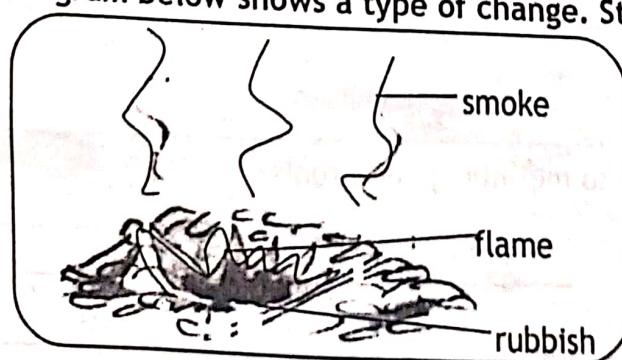
The diagram below shows weather instrument. Study and use it to answer question



11. State the use of the above weather instrument?
12. How does mulching improve soil fertility?

25. Name the type of change happening in the above diagram.
13. Name the vitamin which is found in carrots.
14. State the way hair on the human skin behaves during coldness.
15. Name the vaccine which protects babies against tetanus.
16. Give a reason why people are encouraged to feed on a balanced diet.
17. State one way how seed dispersal is important in the environment.
18. Name the body part of an insect that enables it to detect bad smell.
19. Give one way how a dustbin helps people in a school to promote sanitation.
20. Why are we unable to see a moving vehicle in a corner?
21. Mention the use of ventilators on a living house.
22. In which one way is soil replaced naturally with the help of bacteria?
23. State the immediate effect of diarrhoea in humans.
24. Give one way domestic animals benefit from agroforestry.

The diagram below shows a type of change. Study and use it to answer question 25.



25. Name the type of change happening in the above diagram.

26. Give a reason why intercostal muscles contract when a person breathes in.

27. Mention one method of preserving food that dehydrates food.

28. State the recommended first aid for fainting.

29. Write down one advantage of rearing local breeds of rabbits.

30. Suggest one way a school can prevent its children from practising antisocial behaviours.

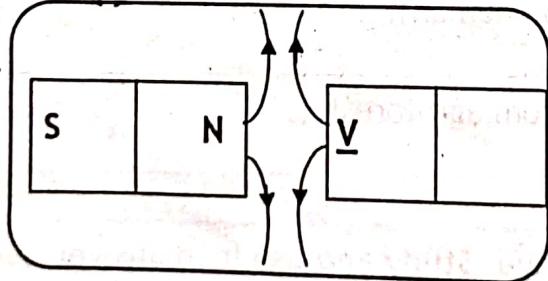
31. Name the sex hormone produced by testes of male human beings.

32. Give one way water is used to promote Primary Health Care.

33. Give any one characteristic of poisonous snakes.

34. In which way is yeast useful to humans?

The diagram below shows a property of magnets. Study and use it to answer question 35.



35. Name the pole marked V.

36. Give one way how rusting is dangerous to metallic garden tools.

37. State a reason why people hear clearer at night than during the day.

38. Name one example of thermometric liquids.

39. State the importance of transpiration in plants.

40. How are incisors adapted to biting food?

SECTION B: (60 MARKS)

41. (a) Mention two examples of energy resources obtained from fossil fuels.

(i) _____

(ii) _____

(b) What type of electricity is obtained by burning fossil fuels?

(c) How is the production of the above type of electricity dangerous to the environment?

42. Complete the table below about immunization.

Disease	Sign	Vaccine
Polio	_____	Polio vaccine
_____	Swollen neck	DPT vaccine
Tetanus	_____	DPT vaccine
_____	Chronic dry cough	BCG vaccine

43. (a) Write two signs of pregnancy in women.

(i) _____

(ii) _____

(b) Mention two requirements of a pregnant mother.

(i) _____

(ii) _____

44. (a) How is each of the following a useful component of an electric circuit?

(i) Ammeter

(ii) Fuse

(b) State one danger of using naked wires in setting up an electric circuit.

(c) Give one way how electricians protect themselves against electric shocks.

45. (a) State two differences between a frog and a toad.

(i)

(ii)

(b) Name two other examples of amphibians apart frogs and toads.

(i)

(ii)

46. (a) Give two examples of materials made out of clay.

(i)

(ii)

(b) Write one reason why clay soil is preferred in making clay materials.

(c) How are clay made materials made harder?

The diagrams below show types of blood vessels. Study and use them to answer question 47.



47. (a) Name the type of blood vessel marked;

(i) A _____

(ii) B _____

(b) Which structural characteristic helps you to differentiate the two types of blood vessels?

(c) How do thetwo blood vessels differ in terms of the way they carry blood?

48. (a) How are the following types of bees useful in the hive?

(i) Drone bees _____

Worker bees

(ii) Mention two products made out of beeswax.

(b) Mention two diseases spread by mosquitoes

(i)

(ii) Give two human diseases spread by mosquitoes

(a)

(i) Give two ways of controlling mosquitoes in our homes.

(ii) Write down two ways of controlling mosquitoes in our homes.

(b)

(i)

(ii) How does bush burning cause soil erosion?

(a)

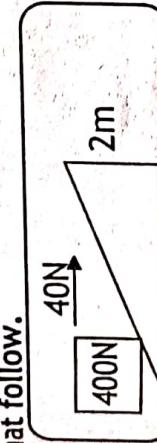
50. (b) Name the form of water erosion in which the top soil is washed away by flowing water uniformly.

(c) Mention two dangers caused by soil erosion in the environment.

(i)

(ii)

The diagram below shows a simple machine, study and use it to answer questions that follow.



51. (a) Name the class of simple machines shown in the above diagram.

(b) Give two uses of the above machine in our daily life activities.

(i)

(ii)

(c) Calculate the mechanical advantage of the above machine.

52. (a) Give two ways farm records are important to cattle farmers.

(i)

(ii)

SECTION .A. (50 Marks)

1. To which ethnic group do the Acholi belong?
2. Why is it important for a country to have national symbols?
3. Jacob was facing North. He then turned anti-clockwise through an angle of 225° . What was his new direction?
4. How will the people of Hoima benefit from the mining of crude oil in their region?
5. Name the second longest river in Uganda.
6. Mention the commonest source of energy used by most homes in villages.
7. Give any one reason why the Arabs came to East Africa.
8. Which organ of the East African Community runs the daily affairs of the organization?
9. Write down any one function of the legco during colonial rule.
10. Which climatic zone favours the growing of citrus fruits?
11. State any one advantage of road transport over air transport.
12. Why should a good map have a key?
13. Give any one danger faced by people who settle near swamps.
14. Mention any one cause of the Maji Maji rebellion.
15. Apart from Ghana, name any other country in Africa crossed by the Prime Meridian.
16. Give any one role of the judiciary.

17. Why do the Karimojong move from one place to another?

18. Which type of natural vegetation is characterized by tall grass and scattered trees?

19. State the significance of feature L in the diagram below.



20. Write down any one result of the 1900 Buganda agreement.

21. Mention any one factor for the growth and expansion of Buganda kingdom.

22. Why do people in mountainous areas terrace their land?

23. Which was the first railway line to be constructed in East Africa?

24. Give any one reason why Pan-Africanism delayed to spread in Africa.

25. Mention any one problem faced by enumerators during the population census exercise.

26. In which way can the government of Uganda encourage tourists to come in large numbers?

27. Give any one problem faced by people in semi-desert areas.

28. Mention any one way of conserving natural forests.

29. Write down any one positive effect of the Trans-Saharan Trade.

30. State any one reason for the revival of the East African Community.

31. Mention any one similarity between Apartheid policy and Assimilation policy.

32. State any one way land is useful to man.

33. Why is Jomo Kenyatta greatly remembered by the people of Kenya?

34. Give any one way the migrations of today differ from ancient migration.

35. Why do people in wet areas build houses with slanting roofs?

For each of the questions 36 -40, answer Either the Christian Or the Islamic question but not both. No marks will be awarded to a pupil who attempts both alternatives in a particular number.

36. Either: Name the place of worship for Christians.

Or: Name the place of worship for Muslims.

37. Either: Why do you think many Christians are acting unfairly today?

Or: Why do you think many Muslims are acting unfairly today?

38. Either: Mention one way Christians care for God's creation.

Or: Mention any one way Muslims care for Allah's creation.

39. Either: Give any one way Christians prepare for Christmas Day.

Or: Give any one way Muslims prepare for Idd-el-fitr.

40. Either: Mention any one factor that enabled people to write books of the Bible.

Or: Mention any one factor that enabled Prophet Muhammad to spread Islam.

SECTION .B. (60 Marks)

41. (a) Which religion existed in East Africa before the introduction of foreign religions?

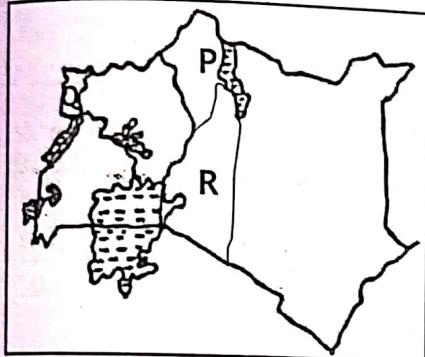
(b) Give any two reasons why missionaries came to East Africa.

(i) _____

(ii) _____

(c) Name the missionary who taught Ugandans practical skills.

42. Study the map of Uganda below and answer the questions that follow correctly.



(a) Why were the following areas transferred from Uganda to Kenya?

(i) P _____

(ii) R _____

(b) Why was area Q transferred to Uganda?

(c) Mention any one negative effect of the fixing of boundaries.

43. Study the climate table below and answer the questions that follow.

Months of the year	J	F	M	A	M	J	J	A	S	O	N	D
Rainfall(mm)	110	95	80	75	20	09	5	10	35	70	115	110
Temperature ($^{\circ}\text{C}$)	22	20	18	16	13	10	10	13	16	18	18	29

(a) Which type of climate is represented in the table?

(b) Mention any one economic activity done in this climatic zone.

(c) State the relationship between rainfall and temperature.

(d) Calculate the temperature range.

44. (a) Give any two challenges faced by the fishing industry in East Africa.

(i) _____

(ii) _____

(b) Mention any two ways the fishing industry has promoted development in East Africa.

- (i) _____
(ii) _____

45. Match words in list A with the corresponding words in list B.

List A

Chairperson
Vice Chairperson
Secretary for security
Secretary for finance

List B

keeps financial records
keeps law and order
chairs meetings
promotes children's rights

- (i) Chairperson
(ii) Vice Chairperson
(iii) Secretary for security
(iv) Secretary for finance

46. (a) Write down any one cause of the Great Trek.

(b) Mention any two effects of the Great Trek.

- (i) _____
(ii) _____

(c) Give any one state created by the Boers.

47. (a) Mention any one item used during elections.

(b) Name the official responsible for elections at the polling station.

(c) Give any one duty of the Electoral Commission.

(d) Mention any one condition for a by-election to take place.

48. (a) Name the common market that unites countries in the following regions;

(i) West Africa _____

(ii) Southern Africa _____

(b) Write down any two economic challenges faced by African countries.

(i) _____

(ii) _____

49. (a) Give any one example of mass media.

(b) Why are televisions not widely used in rural areas?

(c) Mention any one advantage of radios.

(d) Write down one barrier to effective communication.

50. (a) How were the following physical features formed?

(i) Mount Rwenzori

(ii) Lake Katwe

(b) Mention any one economic activity done by people who live near lakes and rivers.

(c) Why are the slopes of mountains densely populated?

For each of the questions 51 -55, answer Either the Christian Or the Islamic question but not both. No marks will be awarded to a pupil who attempts both alternatives in a particular number.

51. Both: (a) Give one example of talents.

(b) State any one way some people have misused their talents.

(c) Mention any one importance of relationships.

(d) Write down any one danger of relationships.

52. Either: (a) What are sexual deviations?

(b) Mention any one cause of pre-marital sex.

(c) Give any two dangers of pre-marital sex.

(i)

(ii)

Or: (a) What is zina?

(b) Mention any one cause of early sex among teenagers.

(c) Give any two dangers of early sex among teenagers.

(i)

(ii)

53. Either: (a) Name the first two apostles of Jesus Christ.

(i)

(ii)

(b) Why did Jesus choose His apostles?

(c) How did St. Francis of Asiisi demonstrate discipleship?

Or: (a) Name any two of the early converts in Islam.

- (i) _____
(ii) _____
(b) Why did the above mentioned people accept to follow Prophet Muhammad (SAW)?

(c) How did Muhammad's marriage to Khadija promote the spread of Islam?

54. Either: (a) Name any one organisation that acts as a good Samaritan.

(b) Mention any way one organisations like the one mentioned above have promoted development in Uganda.

(c) Give any two ways a P.7 candidate can act as a good Samaritan

- (i) _____
(ii) _____

Or: (a) Name any one organisation that helps the needy.

(b) Mention any one way organisations like the one mentioned above have promoted development in Uganda.

(c) Give any two ways a P.7 candidate can show concern to other people.

- (i) _____
(ii) _____

55. Either: "Turn away from your sins because the kingdom of Heaven is near". (Matthew 3:1)

(a) Who said these words?

(b) Why was it necessary for the people to turn away from their sins?

(c) Give any two ways people can prepare for the kingdom of Heaven today.

- (i) _____
(ii) _____

Or: "They are the greatest enemies. Be aware of them."

(a) Who said these words?

(b) Mention any two characteristics of the above mentioned enemies.

- (i) _____
(ii) _____

(c) State any one way Muslims can avoid the behaviour of the above mentioned enemies.

END



BROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION

PRE - PLE TRIAL SET II 2022

Time allowed: 2 hours 30 minutes.

Random No.	Personal No.

Pupil's Name:

School Name:

District Name:

Read the following instructions carefully:

1. This paper is made up of two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Answer ALL questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINER'S USE ONLY		
PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

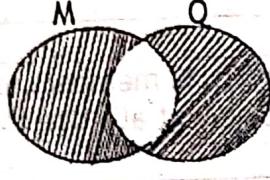
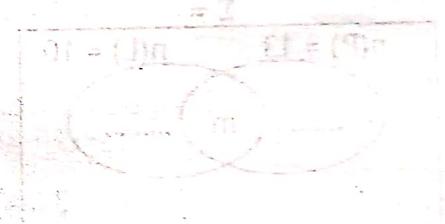
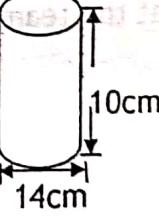
Teacher's comment to the learner

Approved by:

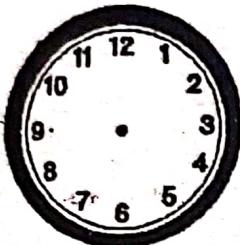
Team Head Mathematics Dept.

SECTION.A. (40 MARKS)

1.	Add $22 + 33$	2.	Given that set $P = \{m, a, n\}$, list all possible subsets of set P .
3.	Expand 436 using place values.	4.	Convert 4.5m to centimeters.
5.	Find the Lowest Common Multiple of 12 and 15.	6.	Work out: $\frac{1}{5} + \frac{3}{15}$
7.	Draw a symbol for a right angle below	8.	Manager issued out receipts to customers from receipt number 3486 to 3496. How many receipts did he issue out?
9.	Increase 120 pupils in the ratio of 5:3.	10.	Given that $a = 6$, $b = 8$ and $c = 4$. Find the value of $\frac{2ab}{c}$

11.	<p>Arrange -4, -3, 0, -1 and +5 in ascending order.</p>	12.
		<p>A cyclist moved from town A to town B at a speed of 30km/hr in just 2 hours. How far is town A from town B?</p>
	<p>13. Describe the shaded region below.</p> 	<p>14. If  represents 6 cups, draw pictures to represent 3 dozens of cups.</p> 
	<p>15. Using a ruler, a pencil and a pair of compasses, construct an angle of 165°.</p>	<p>16. The diagram below shows a cylindrical tin full of water. Find its volume</p>
		
	<p>17. Write 0.125 as a vulgar fraction in its simplest form.</p>	<p>18. Solve for x in $5 - x = 7$</p>

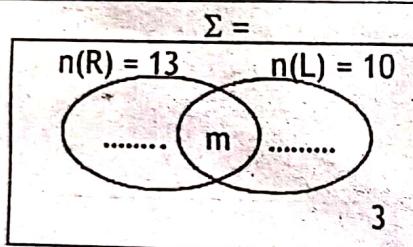
19. Show "a quarter to 6 o'clock" on the clockface below.



20. Amos scored the following marks in different series of tests; 18, 11, 22, 9, and 15. Work out his range of the marks scored.

SECTION B: (60 MARKS)

21. In a school football team, 13 members play with the right leg(R), 10 members use the left leg (L), some team members use both legs while 3 do not play at all. Use the information to complete the venn diagram below.



- (a) How many team members play with both legs given that the team consists of 22 members?

- (b) How many members play with only one leg?

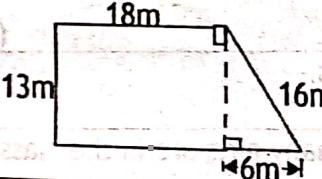
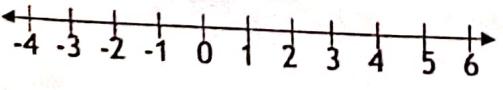
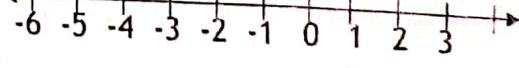
22. Given the numeral 483.05

- (a) Write the place value of 4.

(6 marks)

- (b) Find the value of 8 and the value of 5.

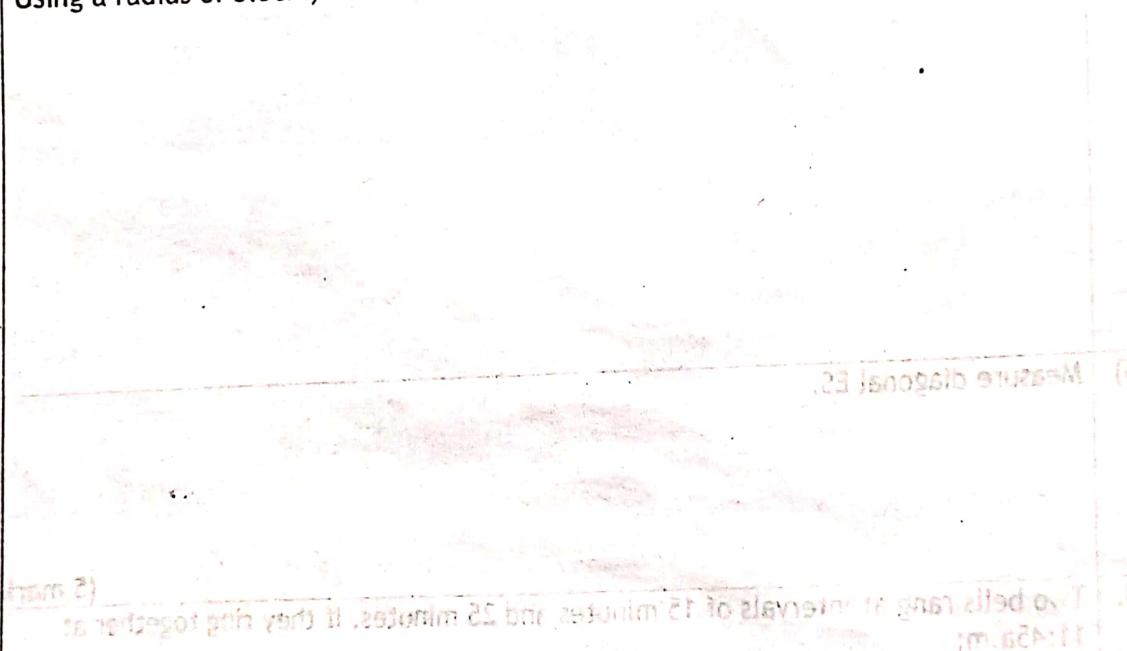
(c)	Find the sum of value of 8 and the value of 5.		(5 marks)
23.	Town V and town W are 200km apart, if a truck driver takes $2\frac{1}{2}$ hours to drive from town V to town W, find the speed at which the truck moves.	(b)	Jamil covered 320 metres at speed of 40m/s. How long did the journey take?
24.	In a class of 80 pupils, $\frac{3}{5}$ are girls and the rest are boys.	(a)	Find the fraction for boys.
		(b)	How many girls are in the class?
(c)	If $\frac{1}{4}$ of the boys do not have full school uniform and $\frac{1}{3}$ of the girls have full school uniform, how many pupils have full school uniform in the class?		(6 marks)

<p>25. Shamirah went shopping on Idi with sh. 50,000 and bought the following items.</p> <p>2kg of meat at sh. 12000 @ kg 1½ kg of rice at sh. 4000 @ kg 2.5 litres of cocacola soda at sh. 5,500. 500g of onions at sh. 3600 per kilogram.</p>	
(a) How much money did she pay altogether?	(b) If she was given a discount of 10%, how much change did she get?
(5 marks)	
26. Study the figure below and use it to answer the questions that follow.	
	<p>(a) Work out its area.</p> <p>(b) Work out the distance around the figure above.</p>
<p>27. (a) Simplify the following using a number line.</p> <p>$-3 + 7$</p> 	<p>(b) $-5 - 2$</p> 

28.	<p>Matayo deposited sh. 600,000 in a SACCO that offers an interest rate of 3% p.a. If he withdrew his money after 5 years, how much interest did he receive?</p>	(b)	<p>Calculate the total amount of money he received after 5 years.</p>
28.	<p>(a) Using a ruler, a pencil and a pair of compasses, construct rectangle HENS where line HE = 6.5cm and line EN = 4cm.</p>		(4 marks)
(b)	<p>Measure diagonal ES.</p>		(5 marks)
30.	<p>Two bells rang at intervals of 15 minutes and 25 minutes. If they ring together at 11:45a.m;</p>	(a) After how long will they ring together again?	<p>(b) At what time will they ring together again?</p>

(a)	Mercy is thrice as old as Peter. If the difference in their age is 18 years, How old is Peter?	(b) How old was Mercy 12 years ago.
-----	---	-------------------------------------

(5 marks)

32.	<p>The information below shows the number of animals on Mr. Alinethu's farm.</p> <p>Cows \Rightarrow 13 Goats \Rightarrow 16 Others = 7</p> <p>Using a radius of 3.5cm, construct a pie chart showing the above information.</p> 
-----	--

(6 marks)

END