



# THE PRIME EXAMINATIONS 2023

## PRIMARY FIVE MID TERM II INTEGRATED SCIENCE

Time allocated 2 hours 15 minutes



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### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections: A and B. Section A has 40 questions (40 Marks) and Section B has 15 questions. (60 Marks)
2. Answer ALL questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
4. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
5. Do not fill anything in the table indicated

**"FOR EXAMINERS' USE ONLY"**

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES  
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

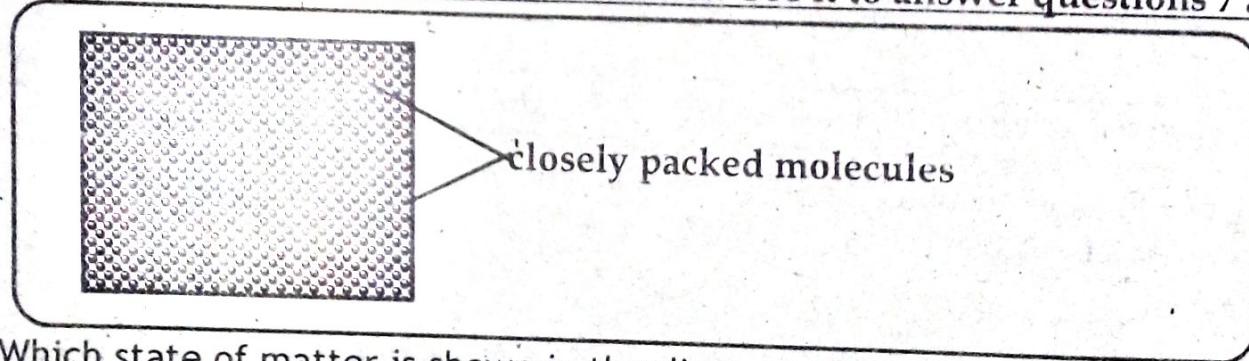
Organised by: PRIME EDUCATIONAL CONSULT @2023 Kampala

Turn Over

### Section A (40 Marks)

1. Name one example of a stem tuber.
2. Apart from matter exerts pressure, mention one other property of matter.
3. Why is a maize regarded as an annual crop?  
\_\_\_\_\_  
\_\_\_\_\_
4. State the main role of a queen bee in a hive.  
\_\_\_\_\_  
\_\_\_\_\_
5. How do bacteria reproduce?  
\_\_\_\_\_  
\_\_\_\_\_
6. Name any one common disease in a home.  
\_\_\_\_\_  
\_\_\_\_\_

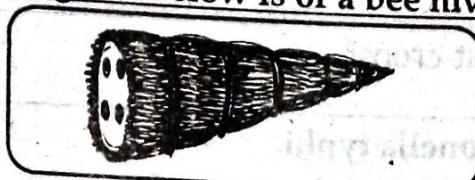
The diagram below is of a state of matter. Use it to answer questions 7 and 8.



7. Which state of matter is shown in the diagram above?
8. Name the force that holds the molecules together as shown in the diagram above.
9. Give any one effect of landslides to people.  
\_\_\_\_\_  
\_\_\_\_\_
10. Which weather instrument is used to show the direction of wind?  
\_\_\_\_\_  
\_\_\_\_\_
11. Where does fertilization take place in a flower?  
\_\_\_\_\_  
\_\_\_\_\_
12. State the reason why fungi are not regarded as plants.  
\_\_\_\_\_  
\_\_\_\_\_
13. Name the type of record affected by egg eating on a poultry farm.  
\_\_\_\_\_  
\_\_\_\_\_

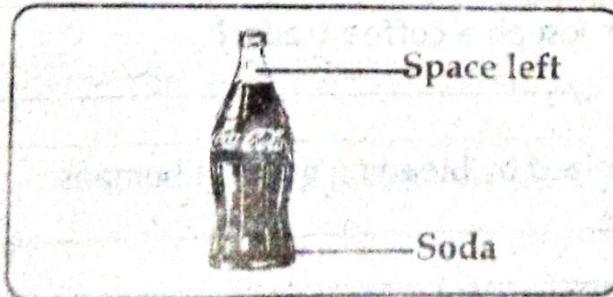
14. State the use of a nail cutter in promotion of personal hygiene.
15. Name the **basic unit** for measuring mass.

The diagram below is of a bee hive, use it to answer question 16.



16. Which type of bee hive is shown in the diagram above?
17. Name any one food stuff that builds our body.
18. How is the reproduction of yeast different from other fungi?
19. Why does a glass of a burning lantern lamp crack and break when cold water is poured on it?
20. Name the form of energy plants use during photosynthesis.
21. Why does paraffin mixed with water remain on top?
22. Give a reason for putting a clinical thermometer in a disinfectant after use.
23. Which type of fuel is got from trees?
24. Why should a goat house be constructed with a slanting floor?
25. Give any one activity done to promote sanitation in a home.

Study the diagram below and use it to answer questions 26 and 27.



26. Why is there space left in the bottle of soda shown in the diagram above?

Energy is needed to move water from the sea to land.

27. Give a reason why carbon dioxide is packed in bottled drinks like soda?

28. Which type of soil is good for growing most crops?

29. Name the poultry disease caused by salmonella typhi.

30. Mention any one condition that can promote the breeding of bacteria.

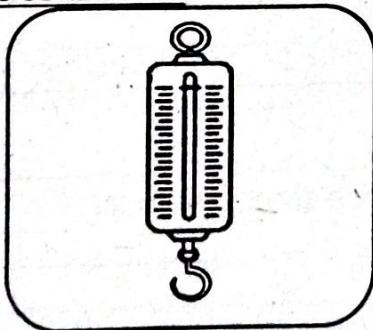
31. State the use of a fire extinguisher in a school.

32. Name any one plant that climbs others using hooks.

33. What causes production of soft shelled eggs by poultry?

34. Why are electric wires left loose in between poles?

The diagram below shows an instrument used in measurement. Use it to answer questions 35 and 36.



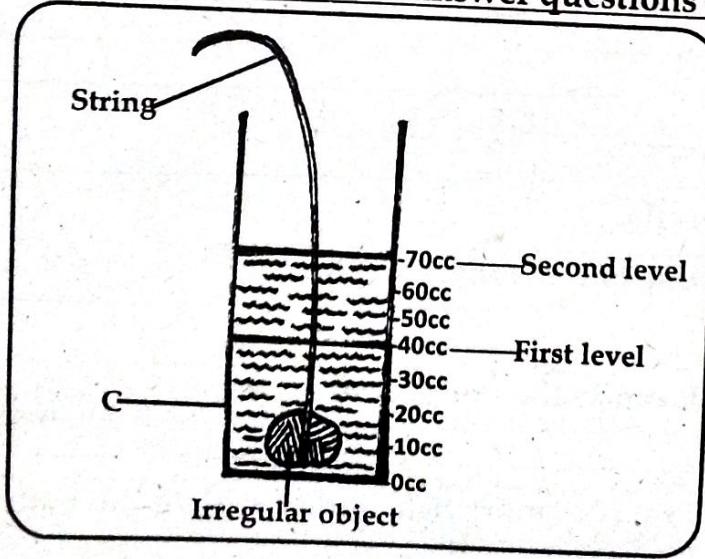
35. Name the instrument shown in the diagram above.

36. How is the above instrument useful to Joseph a coffee trader?

7. Name the deficiency disease characterized by bleeding gums in humans.

38. Give one way of preventing accidents while at school.
39. State the difference between solutes and solvents.
40. Which name is given to a *larva stage of a housefly*?
41. (a) Apart from traditional hutches, mention one other type of rabbit hutches.  
 (b) Give two qualities of a good rabbit hutch.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_  
 (c) State one way of preventing diseases in rabbits.
42. (a) Mention two items used to mulch a garden.  
 (i) \_\_\_\_\_ (ii) \_\_\_\_\_  
 (b) Give two advantages of mulching a garden.  
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_

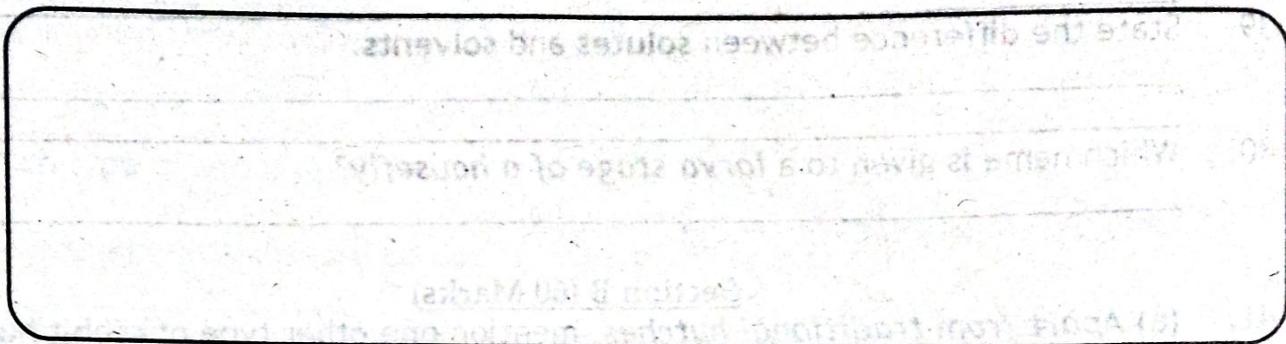
43. Use the diagram below to answer questions that follow.



- (a) Name container marked C from the diagram above.
- (b) Which method of finding volume is shown in the diagram above?

(c) Find the volume of the irregular object shown in the diagram above.

(02marks)



44. (a) Mention two main sources of food in the environment.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(b) Which characteristic of living things talks about passing out wastes?

(c) Give one reason why animals move from one place to another.

45. (a) What are *heat conductor*?

(b) Give a reason why aluminium is commonly used in making utensils.

(c) Mention two examples of heat insulators.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

46. Complete the table below correctly.

Food value	Use to the body.
(a) carbohydrates	_____
(b) _____	Protects the body from goiter.
(c) proteins	_____
(d) _____	Provides more heat and energy to the body.

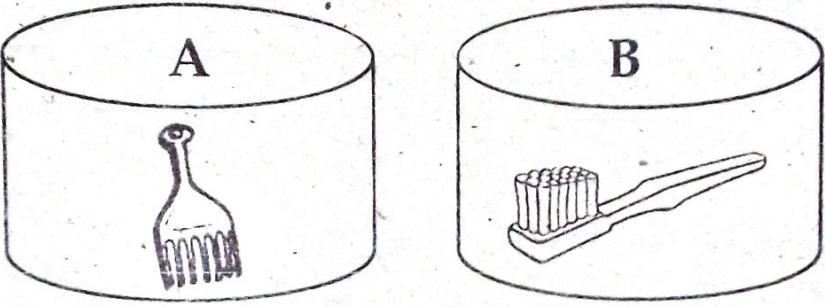
47. (a) Which fungus is;

(i) **poisonous to man**

(ii) **eaten as food**

(iii) **used when making bread**

(b) How is bacteria and fungi different in terms of reproduction?

48. (a) Mention any two craft items got from banana fibres.  
(i) \_\_\_\_\_ (ii) \_\_\_\_\_  
(b) State two uses of baskets in a home.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
49. (a) Name two types of incubation.  
(i) \_\_\_\_\_ (ii) \_\_\_\_\_  
(b) Write the incubation period of a turkey.  
(c) What name is given to the *structure where chicks below eight weeks are kept?*
50. The diagram below shows items used in promoting personal hygiene. Use it to answer the questions that follow.
- 
- (a) Name items marked A and B from the diagram above.  
(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_  
(b) State the use of the items named in (a) above during personal hygiene.  
(i) A \_\_\_\_\_  
(ii) B \_\_\_\_\_
51. (a) Name the *main source* of heat in the environment:  
(b) Give any two uses of heat energy to people.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) In which one way does heat gain affect solid ice?  
\_\_\_\_\_
52. (a) State two uses of the human ear.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) Why is it bad to clean the ear using a sharp object?  
\_\_\_\_\_

**THE PRIME P.5 INTEGRATED SCIENCE MID TERM II MARKING GUIDE**

**Section A (10 Marks)**

<b>No</b>	<b>Answer</b>	<b>Competence</b>	<b>Topic/Sub-topic: Curr Pg.</b>	<b>Life skills</b>
1.	■ Irish potato, white yam	Identifies stem tubers.	Growing crops P.51	Critical thinking C
2	■ matter occupies space/ matter has weight.	Mentions the properties of matter.	Heat energy P.60	Critical thinking L
3	■ A maize plant is harvested within a year./ A maize plant is harvested within a season.	Describes annual crops	Crop growing P.84	Effective communication C
4	■ A queen bee lays eggs.	Discusses the role of a queen bee in a hive.	Keeping poultry and bees P.53	Critical thinking C
5	■ By binary fission	States how bacteria reproduce	Bacteria and fungi P.63	Environmental awareness Lo
6	■ malaria/ typhoid/ flu/ diarrhoea.	Mentions common diseases in a home.	Human body P.27	Self awareness, problem solving Lo
7	■ solid state	Describes solid state.	Heat energy P.60	Critical observation Log
8	■ cohesion force			
9	■ Leads to destruction of homes, plants and animals. / It kills people.	Discusses the effects of landslides.	Our environment in our sub county P.19	Environmental awareness Ca
10	■ wind vane	Identifies the weather instrument used to show direction.	Weather in our sub-county P.64	Critical thinking Co
11	■ ovary	Mentions where fertilization takes places in a flower.	Plant life P.53	Critical thinking Log
12	■ Fungi do not have chlorophyll.	States the reason for not regarding fungi as plants.	Bacteria and fungi P.63	Environmental awareness Cor
13	■ Production record.	Describes production records.	Keeping poultry and bees P.53	Critical thinking Log
14	■ A nail cutter is used for cutting finger and toe nails short.	Gives the use of a nail cutter.	Personal hygiene P.72	Problem solving Lov
15	■ Gramme	Names the basic unit for mass.	Measurement P.58	Critical thinking Con
16	■ Traditional bee hive.	Identifies traditional bee hives.	Keeping poultry and bees P.53	Critical observation Obs
17	■ egg yolk, milk, groundnuts, chicken, fish	Identifies body building foods.	Food and nutrition P.19	Self awareness Care
18	■ Yeast reproduce by budding while other fungi reproduce by means of spores.	Differentiates between yeast and other fungi in terms of reproduction.	Bacteria and fungi P.63	Critical thinking Logic
19	■ Cold water causes sudden and quick contraction on a glass/ a glass is a bristle material.	Discusses why a glass of a lantern lamp breaks when cold water is poured on it.	Heat energy P.60	Creative thinking Logic
20	■ Sun light	Names the form of energy that enables photosynthesis to take place.	Plant life P.53	Environmental awareness Conce
21	■ Paraffin is less dense than water.	Discusses why paraffin floats on water.	Measurement P.58	Critical observation Logic
22	■ To kill germs on a clinical thermometer.	States the reason for treating a clinical thermometer.	Heat energy P.60	Problem solving Care

23	▪ wood fuel	Names the type of fuel got from plants.	Managing resources in the environment P.35	Critical thinking	low
24	▪ for easy cleaning, for easy flowing of the urine	Discusses the reason for constructing a goat house with a slanting floor.	Keeping of goats, sheep and pigs P.57	Problem solving	Care
25	▪ sweeping rubbish in the compound/ draining stagnant water in the compound/ slashing tall grass in the compound/ proper disposal of human wastes.	Gives the activities done to promote sanitation.	Sanitation P.76	Problem solving	Low
26	▪ To leave room for increase in volume when frozen.	Discusses the effects of heat loss on matter.	Heat energy P.60	Problem solving	Care
27	▪ To keep the germs dormant in the soda.	Names the type of soil good for crop growing.	Our environment in our sub county P. 18	Environmental awareness	Concern
28	▪ Loam soil	Names the poultry disease caused by salmonella typhi	Keeping poultry and bees P.53	Critical thinking	concern
29	▪ Fowl typhoid	Mentions conditions that promote the breeding of bacteria.	Bacteria and fungi P.63	Environmental awareness	Appreciation
30	▪ Presence of moisture, food, warmth and air.	Gives the use of a fire extinguisher.	Environment and weather in our sub county P.22	Problem solving	Logic
31	▪ A fire extinguisher is used to put out fire in case of any fire outbreak.	Identifies plants that climb others using hooks/ thorns.	Plant life P.53	Critical thinking	Concern
32	▪ White yams, morning glory, bougainvillea	Discusses what makes poultry to lay soft shelled eggs.	Keeping poultry and bees P.53	Problem solving	Logic
33	▪ Lack of calcium in the diet of poultry.	States the reason why wires are left loose in between poles.	Heat energy P.60	Critical thinking	concern
34	▪ To allow room for contraction	Discusses the use of a spring balance.	Measurement P.58	Critical observation	Observation
35	▪ Spring balance	Identifies the characteristics of scurvy	our food P.74	Self awareness	Concern
36	▪ He uses it to measure the mass/ weight of the coffee.	States ways of preventing accidents	Accidents and safety P.34	Problem solving	Love
37	▪ scurvy	States the difference between solutes and solvents	Heat energy P.60	Critical thinking	Logic
38	▪ Avoid playing with sharp cutting objects, keep hot objects away from children, avoid playing dangerous games.	Names the larva stage of a housefly.	Vectors and diseases P.80	Creative thinking	Concern

**Section B (60 Marks)**

41.	(a) caged hutches/ morant hutches. (b) It should be raised above the ground/ it should be well ventilated/ it should have a slanting surface/ it should be clean/ it should be dry. (c) Proper feeding/ cleaning their shelter daily/ culling sick ones/ keeping the hutch dry.	Describes hutches	Keeping rabbits P.55	Problem solving	concern
42	(a) Dry banana leaves/ dry grass/ coffee husks (b) Mulches control soil erosion/ mulches improve on soil fertility/ mulches keep moisture in the soil.	Discusses the advantages of mulching.	Growing crops P.84	Problem solving	Care
43	(a) Measuring cylinder (b) Displacement (c) Volume = Second level – first level Volume = 70cc – 40cc	Describes displacement method	Measurement P.58	Critical observation, problem solving	Concern

	Volume = 30cc.			
44	(a) Animals/ plants (b) Living things excrete. (c) To look for food/ to look for young ones/ to look for sexmates/ to look for water/ to look for good habitats	Names the main sources of food.	Animals in our sub county P.26	Effective communication
45	(a) Are materials which allow heat to pass through them easily. (b) Aluminium is cheap. (c) rubber, paper, cloth, plastic, dry wood	Describes conductors	Heat energy P.60	Critical thinking
46	(a) provides energy to the body. (b) Iodine (c) Repairs worn out tissues/ replaces worn out body cells/ builds the body/ enables the body to grow. (d) Fats and oils (lipids)	Describes food values	Our food P.74	Critical thinking
47	(a) (i) moulds (ii) mushroom (iii) yeast (b) Bacteria reproduce by binary fission while fungi reproduce by budding.	Identifies examples of fungi	Bacterial and fungi P.63	Environmental awareness
48	(a) balls/ ropes/ dolls (b) Baskets are used for storing in harvested food/ a basket is used for carrying harvested food/ baskets are used for decoration.	Mentions craft items got from banana fibres.	Things we make P.27	Creative thinking
49	(a) Natural incubation / Artificial incubation (b) 28 days (c) brooder	Names the types of incubation	Keeping poultry and keeping bees. P.53	Critical thinking
50	(a) A- comb B – tooth brush (b) A – is used for combing the hair. B- used for brushing teeth/ used for removing food remains from the teeth.	Discusses the use of a tooth paste and a comb.	Personal hygiene P.72	Self awareness
51	(a) sun (b) Heat energy enables people to cook food, it helps in rain formation, it enables people to iron clothes, keeps animals warm, it is used to dry washed clothes, it is used to dry harvested crops. (c) Ice melts , the volume decreases, the density increases, the mass remains the same.	States the uses of heat to people.	Heat energy P.60	Critical thinking
52	(a) The human ear is used for hearing, balancing the body posture. (b) It may destroy/ cut the ear drum. (c) washing with clean water, cleaning with ear buds, eating food rich in balanced diet.	Discusses the use of the human ear.	Major body organs P.69	Self-awareness
53	(i) Kidding - is the giving of birth in goats. (ii) Heat period – is when a nanny is ready to be mated. (iii) Browsing – is the feeding of goats on soft parts of the plants. (iv) Weaning – is the introduction of other food to kids in addition to breast milk.	Defines some terms in keeping goats.	Keeping goats, sheep and pigs P.57	Critical thinking
54	(a) (i) Nimbus clouds (ii) Cirrus clouds (b) clouds protect us from direct sunshine/ clouds help in the formation of rainfall/ clouds keep the earth warm at night/ clouds cool temperature in certain places.	Discusses the uses of clouds	Environment and weather in our sub county P.22	Environmental awareness
55	(a) wax (b) Honey is used for making syrups, honey is used to make sweets and chocolates, honey is used to make cosmetics, honey is used in fruit canning as a preservative. (c) Bees sting people and domestic animals to death.	Discusses industrial use of honey	Keeping poultry and bees P.53	Critical thinking