



BROAD EXAMINATIONS®

P.6 INTEGRATED SCIENCE EXAMINATION TRIAL SET I TERM II 2024

Time allowed: 2 hours 15 minutes

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 **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.

**FOR EXAMINERS'
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:

[Signature]

Team Head Science Department

SECTION .A. (50 Marks)

1. Write down any one characteristic of dicotyledonous plants.

2. State the importance of valves in the human heart.

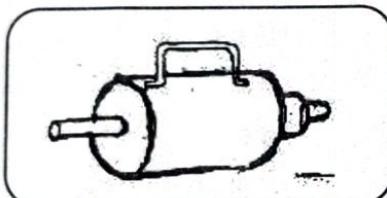
3. State any one way germs spread in the community.

4. What type of chicken is kept for egg production?

5. Give any one condition that can force a mother to use bottle feeding in caring for her born baby.

6. How are flesh eating birds such as eagles adapted to catching their preys?

The diagram below shows an item used in honey harvesting. Use it to answer question 7.



7. What name is given to the above honey harvesting item?

8. What factor would you consider when determining the agent of pollination for a flower?

9. Mention one way a scorpion is different from other arachnids in terms of reproduction.

10. Calculate the density of an object whose mass is 15g and displaces 5cc when put in a container of water.

11. Give any one way transpiration is important to plants.

12. Name any one childhood killer disease prevented by using DPT vaccine.

13. Mention any one importance of plants to animals in the environment.

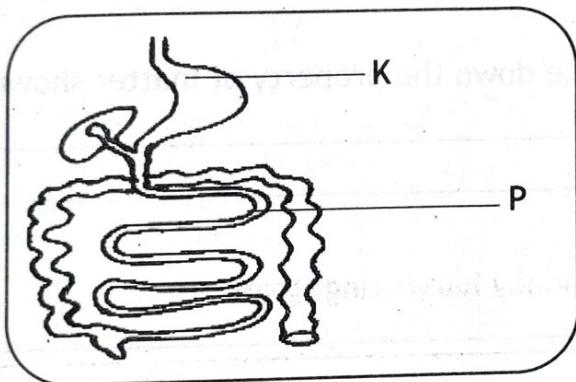
14. State any one sign of pest damages on plants.

15. Give any one way the sick misuse drugs given to them for disease treatment.

16. How is windy weather useful to cereal growers?

The diagram below shows part of the digestive system. Use it to answer questions

17 and 18.



17. Name the part of the digestive system marked P.

18. Which class of food has its first chemical digestion in part marked K?

19. Mention any one advantage of promoting proper personal hygiene.

20. What type of fertilization do amphibians undergo?

21. What type of soil erosion leads to the formation of big trenches in the garden?

22. Why is a hedgehog said to be a nocturnal animal?

23. Write down any one example of stem tubers.

24. Name any one source of food in the environment.

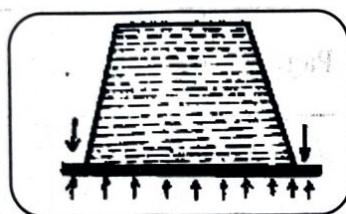
25. How are solutes different from solvents?

26. Name the region of the body where the lungs and the heart are found.

27. What does the radicle of a seed develop into during germination?

28. Suggest any one reason why we should brush our teeth regularly.

The diagram below shows a property of matter. Use it to answer question 29.



29. Write down the property of matter shown below.

30. What are non-flowering plants?

31. State the reason why blood goes to the lungs during blood circulation.

32. Suggest any one way of controlling bacterial diseases in the community.

33. Mention any one reason why we should cut tall bushes around our homes.

34. Name any one member of a nuclear family.

35. Give a reason why rusting is said to be a chemical change.

The diagram below shows a pregnant woman smoking. Use it to answer questions 36 and 37.



36. What type of smoking is the woman practicing?

37. Write down one danger of the above practice to the unborn baby.

38. How are splints useful when giving first aid to a fractured person?

39. Give any one reason why we should build houses for goats and sheep.

40. How many classes of food make up a balanced diet?

SECTION .B. (60 MARKS)

41. (a) Write down any two examples of social insects.

(i) _____

(ii) _____

(b) Name any two insects that spread diseases to people.

(i) _____

(ii) _____

42. The diagram below shows an antenatal card. Use it to answer questions that follow.

MICHEAL STEVE CLINICS

Name: Atuhaire Adrine

Age: 26 years

Marital status: Married

Husband: Tumusime Kennedy

Missed periods (25 / 7 / 2020)

Expected date of birth (25 / 4 / 2021)

Thanks for coming

(a) In which element of PHC is this card used?

(b) Write down any one service offered during the element of PHC named above.

(c) Give two reasons why pregnant women should always seek for antenatal care.

(i) _____

(ii) _____

43. (a) Give any one reason why a hutch should be raised above the ground.

(b) Name any two examples of exotic breeds of rabbits.

(i) _____

(ii) _____

(c) What name is given to a male rabbit?

44. (a) Apart from heat energy, name one other form of energy got from the sun.

(b) Give any two ways the sun is important in the environment.

(i) _____

(ii) _____

(c) Mention any one danger of the sun in the environment.

45. (a) What is the difference between communicable and non-communicable diseases?

(b) Name any two examples of communicable intestinal diseases.

(i) _____

(ii) _____

(c) Mention any one example of non-communicable diseases.

46. (a) Write down any two examples of percussion musical instruments.

(i) _____

(ii) _____

(b) How are percussion musical instruments played?

(c) Mention one factor that determines pitch of sound produced by percussion musical instruments.

47. (a) In which units is temperature measured?

(b) Mention two liquids used in thermometers to measure temperature.

(i) _____

(ii) _____

(c) Which type of thermometer is found at a weather station?

48. (a) Mention any two ways of keeping our bodies clean.

(i) _____

(ii) _____

(b) Write down any two items used in promoting oral health.

(i) _____

(ii) _____

49. (a) How are biological changes different from physical changes?

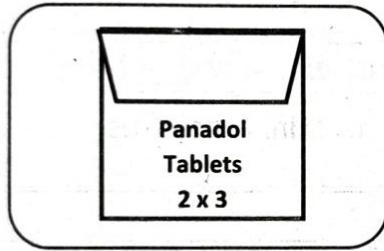
(b) Write down any one biological change that takes place in;

(i) animals _____

(ii) plants _____

(c) State any one effect of physical changes in the environment.

The diagram below shows a drug prescription. Use it to answer question 50.



50. (a) How many tablets were to be taken every day?

(b) If the above packet contained 24 tablets, how many days would the patient take to finish the dose?

(c) Write down any one reason why drugs should be kept out of reach of children.

(d) Why is it not advisable to buy drugs from market vendors?

51. (a) Mention one effect of hookworms to the human body.

(b) Mention any one way how hookworms enter our bodies.

(c) Apart from hookworms, name any two other examples of intestinal worms.

(i) _____

(ii) _____

52. (a) Suggest any one way echoes are important to whales.

(b) In which class of mammals do we find a whale?

(c) How are whales able to keep warm while in water?

(d) Name any one other animal that belongs to the same class of mammals as a whale.

53. (a) Which human body organ is mostly affected by drinking too much alcohol?

(b) Give any two reasons people give for drinking alcohol.

(i) _____

(ii) _____

(c) Apart from damaging the human body organs, give any one other effect of drinking too much alcohol to an individual.

54. (a) Name any two states of matter.

(i) _____

(ii) _____

(b) Name one substance that exists in all the three states of matter.

(c) Write down any one physical property of matter.

55. (a) How are burns similar to scalds?

(b) State the recommended first aid for burns and scalds.

(c) Suggest any two ways of avoiding burns and scalds in a home.

(i) _____

(ii) _____

END

BROAD EXAMINATIONS GUIDES

P.6 SCIENCE SET I TERM II 2024

QN	CORRECT ANSWER(S)	CLASS	RELATED CONTENT
1.	They have tap root system/undergo epigeal germination/have leaves with network leaf venation/etc.	P.4	<ul style="list-style-type: none"> - Structures of a flowering plant - Functions of parts
2.	They prevent the back flow of blood	P.6	<ul style="list-style-type: none"> - Structures of the heart - Functions of parts
3.	Through inhaling them in air/eating contaminated food/through insect vector bites/animal vector bites/close body contact with an infected person	P.4	<ul style="list-style-type: none"> - Meaning of communicable diseases - Examples of communicable diseases
4.	Layers	P.5	<ul style="list-style-type: none"> - Examples of layers - Examples of broilers
5.	When the mother is a full time worker/has breast cancer/fails to produce enough breast milk	P.5	<ul style="list-style-type: none"> - Meaning of breast feeding - Meaning of vulnerable people
6.	They have strong sharp hooked beak for tearing their preys/have strong sharp curved talons for gripping their preys.	P.6	<ul style="list-style-type: none"> - Groups of birds - their examples
7.	Smoker	P.5	<ul style="list-style-type: none"> - Methods used to extract honey from honey combs
8.	Colour of flower petals/weight of pollen grains/texture of pollen grains/size of the flower/	P.4	<ul style="list-style-type: none"> - Meaning of pollination - Importance of pollination
9.	A scorpion produces live young ones while other arachnids reproduce by laying eggs	P.6	<ul style="list-style-type: none"> - Classes of invertebrates - Examples of each class
10.	$D = \frac{M}{V}$ $= \frac{15g}{5CC}$ $= 3glcc$	P.5	<ul style="list-style-type: none"> - Differences between mass and weight - Volume and capacity
11.	Transpiration cools plants/enables plants to absorb water and mineral salts from the soil	P.4	<ul style="list-style-type: none"> - Factors that affect the rate of transpiration
12.	Diphtheria/pertussis(whooping cough) tetanus	P.5	<ul style="list-style-type: none"> - Importance of immunization - Types of vaccines
13.	Plants provide oxygen to animals/provide shade to animals/some are eaten as food by animals	P.3	<ul style="list-style-type: none"> - Examples of plants that grow well in dry areas.
14.	Rotting of plant parts/holes on leaves/wilting/deformed plant stems	P.4	<ul style="list-style-type: none"> - Examples of pests - How to control pests
15.	By taking over dose/under dose	P.6	<ul style="list-style-type: none"> - Meaning of drug prescription - Meaning of drug abuse
16.	Windy weather helps cereal growers in winnowing/to dry harvested cereals	P.4	<ul style="list-style-type: none"> - Meaning of weather - Factors that affect weather
17.	Ileum	P.5	<ul style="list-style-type: none"> - How the ileum is adapted to its function
18.	Proteins	P.5	<ul style="list-style-type: none"> - Types of digestion - Meaning of peristalsis

19.	It prevents bad body smell/skin diseases	P.4	<ul style="list-style-type: none"> - Tools used in promoting first aid - Indicators of poor personal hygiene
20.	External fertilisation	P.6	<ul style="list-style-type: none"> - Differences between frogs and toads - Other amphibians
21.	Gully erosion	P.5	<ul style="list-style-type: none"> - Meaning of soil erosion - Effects of soil erosion
22.	It is more active during the night than during the day	P.6	<ul style="list-style-type: none"> - Diurnal animals - Classification table of animals
23.	White yams/Irish potatoes	P.5	<ul style="list-style-type: none"> - Examples of root tubers - Their pests
24.	Gardens/water bodies/markets/shops/etc.	P.2	<ul style="list-style-type: none"> - Meaning of food - Classes of food
25.	Solutes are substances which dissolve in solvents while solvents are substances which dissolve solutes	P.5	<ul style="list-style-type: none"> - Methods used to separate mixtures - Examples of mixtures
26.	Chest cavity	P.4	<ul style="list-style-type: none"> - Functions of lungs - Other body organs
27.	Root system	P.4	<ul style="list-style-type: none"> - Parts of root system - Function of root cap
28.	To prevent teeth diseases/bad smell from the mouth/	P.4	<ul style="list-style-type: none"> - Types of teeth - Function of types of teeth
29.	Matter exerts pressure	P.3	<ul style="list-style-type: none"> - Other properties of air - Components of air
30.	Non flowering plants are plants which do not bear flowers	P.3	<ul style="list-style-type: none"> - Examples of non-flowering plants
31.	To get rid of carbon dioxide and pick oxygen	P.6	<ul style="list-style-type: none"> - Types of blood circulation - Components of circulatory systems
32.	By maintaining proper sanitation/early treatment with antibiotics/observing good personal hygiene/observing good food hygiene	P.5	<ul style="list-style-type: none"> - Types of bacteria - Bacterial diseases
33.	To keep away disease vectors/prevent accidents related to poor sanitation/prevent out break of sanitary diseases.	P.4	<ul style="list-style-type: none"> - Dangers of having tall bushes near our houses
34.	Father/mother/children	P.2	<ul style="list-style-type: none"> - Meaning of a family - Types of families
35.	It forms a new substance/is irreversible/there is change in mass and weight/	P.5	<ul style="list-style-type: none"> - Importance of rusting to a farmer.
36.	Active smoking	P.6	<ul style="list-style-type: none"> - Types of smoking - Effects of smoking to a pregnant mother
37.	It leads to low birth weight/still birth/	P.6	<ul style="list-style-type: none"> - Effects of smoking to a family

	miscarriage/premature birth		
38.	They keep the broken bone in one position	P.4	- Components of a first aid kit
39.	To protect goats and sheep from bad weather conditions/from thieves/prevent goats from destroying people's crops	P.5	- Local breeds of sheep - Viral diseases of sheep
40.	Five classes of food	P.4	- Meaning of a balanced diet - Importance of feeding a balanced diet
SECTION B			
41.	(a) Bees/wasps/red ants/termites/etc. (b) Houseflies/mosquitoes/cockroaches/rat fleas	P.3	- Characteristics of insects - Uses of insects
42.	(a) Maternal and child health care (b) Immunizing pregnant mothers with TT vaccine/control of diarrhoeal diseases/family planning services/post-natal and antenatal care (c) To ensure safe delivery To be taught how to care for their pregnancies	P.5	- Meaning of PHC - Principles of PHC
43.	(a) To prevent dampness in the hutch (b) Angora rabbit/Californian rabbit/chinchilla/new Zealand white/rex/ear lop (c) Buck	P.4	- Advantages of rearing rabbits over goats
44.	(a) Sound energy (b) The sun dries harvested crops/helps people to dry wet clothes/provide warmth/ (c) Too much sunshine dries up harvested crops/kills animals/dries some water sources/etc.	P.4	- Elements of weather - Conditions of weather
45.	(a) Communicable diseases are diseases which can be spread from one person to another while non-communicable diseases are diseases which can't be spread from one person to another (b) Diarrhoea/cholera/typhoid/dysentery (c) Liver cancer/lung cancer/peptic ulcers/kwashiorkor/etc.	P.4	- How communicable diseases spread. - How to control the spread of communicable diseases.
46.	(a) Thumb piano/xylophone/drum/bell/etc. (b) By beating/hitting their parts to vibrate (c) Nature of the vibrating parts/size of the vibrating parts of the instrument/tension of the vibrating parts/	P.6	- Wind musical instruments - How they are played
47.	(a) Degrees Celsius/kelvin/degrees Fahrenheit (b) Mercury/alcohol (c) Six's thermometer	P.5	- Types of thermometers - Their uses

48.	(a) By bathing daily/wearing clean clothes/combing hair etc. (b) Toothpaste/toothbrush/clean water/soft stick/etc.	P.4	- Indicators of personal hygiene Indicators of poor personal hygiene
49.	(a) Biological changes form new substances while physical changes do not form new substances/are irreversible while physical changes are reversible (b) (i) Growth/reproduction/moulting/fertilization (ii) Germination/flowering/ripening of fruits/etc. (c) They result into rain formation	P.5	- Consequences of changes in the environment - Importance of chemical changes
50.	(a) 6 (six) tablets (b) 4 (four) days (c) To prevent drug poisoning among children/prevent drug contamination (d) Drugs may fake/drugs may be contaminated/may be expired/	P.6	- Difference between drug abuse and drug misuse - Reasons why a patient may fail to complete drugs
51.	(a) It leads to hookworm anaemia (b) Through bare skin/walking with bare feet in muddy places (c) Tapeworms/threadworms/	P.4	- How to control worms - Their effects on the body
52.	(a) They help whales to locate food/dodge objects (b) Sea mammals (cetaceans) (c) By the help of their blubber (d) Porpoise/seals/dugongs/	P.6	- Examples of cetaceans - Classes of mammals
53.	(a) The liver (b) To fit in peer groups/quench thirst/to forget their problems (c) Self neglect/bad smell/loss of appetite	P.6	- Effects of alcoholism to a family - Effects of alcoholism to a community
54.	(a) Solid state/liquid state/gas state (b) Water (c) Matter occupies space/has weight/	P.5	- Changes of states of matter
55.	(a) Both burns and scalds are caused by heat. (b) Dipping the injured part in clean cold water for some time. (c) Cooking from raised places/keeping flammable materials where children can't reach/keeping young children away from the kitchen	P.4	- Causes of burns - Causes of scalds

END