



BROAD EXAMINATIONS®

P.5 INTEGRATED SCIENCE EXAMINATION TRIAL SET I TERM I - 2023

Time allowed: 2 hours 30 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 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.

Teacher's comment to the learner

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**FOR EXAMINERS'
USE ONLY**

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

Approved by:

Amulya

Team Head Science Dept.

SECTION A. (40 MARKS)

1. Write down any one type of poultry.

2. Name the system of roots found in monocotyledonous plants.

3. Give a reason why mulching is important to a crop farmer?

4. State any one example of play materials made from banana fibres.

5. State any one role of a father in a home.

6. Mention the element of weather that enables a farmer to dry their harvested crops.

The diagram below is of a human body organ. Use it to answer questions 7 and 8.



7. Name the human body organ shown above.

8. How is the above human body organ important in our bodies?

9. Name the set of teeth that develops first in young children.

10. Give the importance of a sponge during the promotion of personal hygiene.

11. Mention any one component of soil.

12. Suggest any one place from where people in your community get food.

13. How are natural changes dangerous in the environment?

14. Mention any one way of keeping our environment clean.

15. Suggest any one way hookworms are dangerous to a person.

The diagram below is of a disease vector. Use it to answer question 16.



16. Name the disease vector shown above.

17. State the importance of part K to the above disease vector.

18. Mention any one example of stem tubers.

19. What is an accident?

20. Name the component of air that helps a candle to keep burning.

21. How is the caring for crops important to a crop farmer?

22. Give any one source of proteins to people.

23. What do we call the manufactured feeds of rabbits?

24. State one way halteres are important to some insects like house flies.

The diagram below is of a domestic animal. Use it to answer question 25.



25. How is the above animal important at home?

26. Name any one place where accidents take place.

27. In which one way is a mother helpful to other family members at home?

28. Give one way houseflies are able to carry germs to our food.

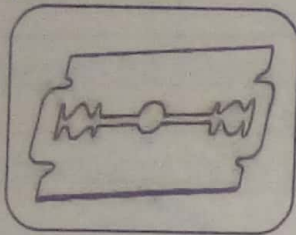
29. Name any one diarrhoeal disease spread through the 4Fs germ path.

30. State one way in which promoting sanitation is helpful in your community.

31. Write down any one PIASCY message.

32. Give any one vitamin related deficiency disease that affects the eyes.

The diagram below is of a tool used in promoting personal hygiene. Use it to answer question 33.



33. How is the above tool helpful in the promotion of personal hygiene?

34. Give the way an incisor tooth is adapted to carrying out its function.

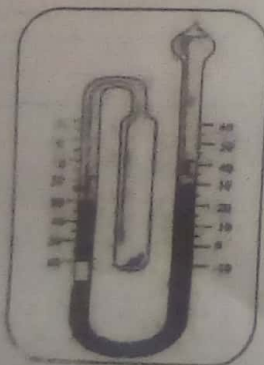
35. Mention any one example of an accident that takes place in the kitchen.

36. How is an eye as a body organ helpful to a pupil revising a science text book?

37. State any one way we can reduce electricity bills at home.

38. How can family members care for HIV/AIDS victims at home?

39. What name is given to the weather instrument below?



40. What name is given to the young one of a cow?

SECTION .B. (60 Marks)

41. The diagram below shows a crop pest. Use it to answer questions that follow.



(a) What name is given to the above crop pest?

(b) Give any one way of controlling the above pest in the garden.

(c) Apart from the above pest, name any one other example of a crop pest that damages harvested crops in the store.

(d) State any one example of crops destroyed by the above pest.

42. (a) Mention any two exotic breeds of rabbits.

(i) _____

(ii) _____

(b) Give the disease of rabbits that affects both poultry and man.

(c) Mention any one reason why a hutch should be raised above the ground.

43. (a) State any one reason why a Stevenson screen is painted white.

(b) How is a rain gauge important at the weather station?

(c) Name the type of clouds that is;

(i) farthest away from the earth's surface

(ii) a good sign of rain

44. (a) What name is given to a female bee in the hive?

(b) Name any one product got from bees wax.

(c) Which food value is got from eating honey?

(d) Suggest any one duty of a worker bee in the hive.

45. (a) Give any one way a fractured person can be made to keep the broken bone in or position.

(b) How are the following equipment useful to a first aider when giving first aid?

(i) bandage

(ii) cotton wool

(c) State any one quality of a good first aider.

46. (a) How are natural changes like floods dangerous in your environment?

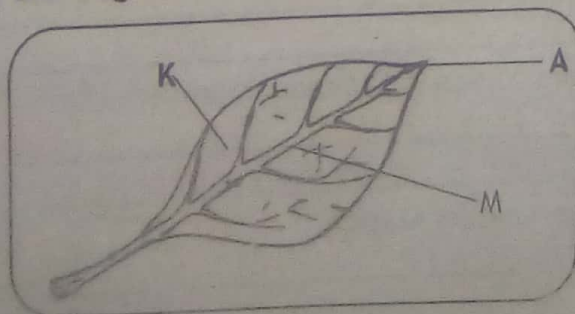
(b) State any two ways how people in your community can manage rainy weather.

(i)

(ii)

(c) Mention the natural change that leads to the death of animals due to lack of what to feed on.

Use the diagram of a plant leaf below to answer the questions below it.



47. (a) Name the parts marked;

(i) A

(ii) M

(b) Mention one plant process that occurs in the above part of plant.

(c) Give any one way of caring for crops in the garden.

48. Match the food stuffs in list A with their food values in list B.

A	B
Cassava	Vitamin A
Beans	Vitamin C
Carrots	Proteins
Lemons	Carbohydrates

(i) Cassava

(ii) Beans

(iii) Carrots

(iv) Lemons

49. (a) Mention one way how teeth are important in our bodies.

(b) State any two regions of a tooth.

(i)

(ii)

(c) Apart from tooth decay, mention any other disease that affects the teeth.

50. (a) Suggest one way how hookworms and tapeworms are different in terms of what they feed on.

(b) Mention one way how we can prevent tapeworms from entering our bodies.

(c) Name the worm that leads to the itching of the anus in children.

(d) Why should we always put on shoes when walking?

51. (a) Apart from an extended family, mention any other two types of families.

(i)

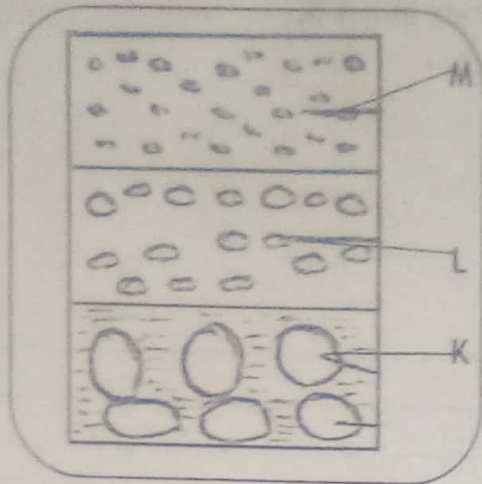
(ii)

(b) Name any two members found in an extended family.

(i)

(ii)

52. The diagram below shows the vertical arrangement of soil layers. Use it to answer questions that follow.



- (a) Name the soil layers marked;
(i) L _____
(ii) M _____
- (b) Mention the component of soil layer M that enables it to support plant growth.

- (c) State any one example of living organisms found in the soil.

53. (a) Mention any two examples of dangerous wild animals.
(i) _____
(ii) _____
- (b) Suggest any two ways how wild animals are dangerous to people.
(i) _____
(ii) _____
54. (a) Give any one way of saving electricity at home.

- (b) Write down any two equipment that use electricity at home.
(i) _____
(ii) _____
- (c) How can electricity be dangerous to a user at home?

55. (a) What is personal hygiene?

- (b) Mention any one way of promoting personal hygiene.

- (c) State any two effects of poor personal hygiene to an individual.
(i) _____
(ii) _____

END

BROAD EXAMINATIONS GUIDES 2023
P.5 SCIENCE SET I TERM I

	CORRECT ANSWER(S)	CLASS	RELATED CONTENT
	Ducks/turkey/chicken/pigeon/ dove.	P.5	-products got from poultry -systems used to rear poultry
2.	Fibrous roots.	P.4	-meaning of dicotyledonous plants -examples of such plants
3.	Mulching controls soil erosion/prevents the growth of weeds/soil fertility.	P.4	-meaning of mulching -How mulching control weeds
4.	Ropes/dolls/mats/balls	P.2	-Sources of materials used to make crafts -Uses of craft materials
5.	Heading a family/providing basic needs to family members.	P.2	-All types of families -Their advantages
6.	Sunshine	P.4	-Tools used in harvesting -Methods used in harvesting crops
7.	Kidney	P.4	-Religions of body organs -How to care for body organs
8.	It filters blood	P.4	-Function of each body organs -Diseases that affect them
9.	Milk set	P.4	-Parts of a tooth -Adaptations of teeth to their me
10.	It scrubs the body/removes dirt from the body.	P.2	-Meaning of personal hygiene -Dangers of poor personal hygiene
11.	Soil living organisms/water/humus/mineral salts/rock particles.	P.3	-Types of soil -Their properties
12.	Market/garden/supermarket/grocery.	P.2	Components of food -Functions of food in the body
13.	They lead to death of people/destruction of crops, crops.	p.3	-Examples of natural changes -Man made changes
14.	Sweeping rubbish/mopping cemented houses/slashing tall bushes.	p.4	-Meaning of sanitation -Elements of sanitation
15.	They cause hookworm anaemia.	P.4	-Structures of worms -Signs of worm infection
16.	Malaria	P.4	-Life cycle of mosquito -Diseases they spread
17.	For sucking blood.	P.3	-How to control malaria -Signs of malaria fever
18.	White yam/Irish potatoes.	P.5	-Pests that damage stem tuber -Parts of an Irish potato
19.	An accident is a sudden happening that may harm or cause death to the body.	P.4	-Causes of an accident -How to prevent accident
20.	Oxygen	P.3	-Percentage of components of a

			-properties of air
21.	It helps a farmer to get high crop yields	P.4	-All crop growing practices -Their advantages
22.	Beans/meat/milk/soya beans/etc.	P.4	-Signs of kwashiorkor -Signs of marasmus
23.	Pellets	P.4	-Exotic breeds of rabbits -Characteristics of breeds of rabbits
24.	For body balance during flight/for stable flight	P.3	-Parts of an insect -Characteristics of insects
25.	For protection/guards the home	P.3	-Importance of domestic birds -How to care for such domestic birds
26.	In the home/bush/road/water bodies/etc.	P.2	-Why people give first aid -Contents in the first aid box
27.	For cooking food/caring for children/breastfeeding babies.	P.2	Members of all types of families -Roles of their members
28.	They have hairy body for carrying germs.	P.3	-4FS germ paths -How to prevent it
29.	Cholera/typhoid/dysentery/diarhoea	P.4	-How to control such diseases -How they spread
30.	It keeps away bad smell/prevents outbreak of diarrhoeal diseases/keeps away disease vectors.	P.4	-Dangers of poor sanitation -Tools used to promote sanitation
31.	AIDS kill/stay in school/Avoid bad touches/virginity is healthy/etc.	P.3	-PIASCY in full -Importance of PIASCY messages
32.	Night blindness/poor night vision.	P.4	-Other vitamin deficiency diseases -How to prevent them
33.	It is used to cut fingernails short.	P.2	
34.	It is chisel shaped to cut food.	P.4	-Number of permanent and incisor teeth -How to care for teeth
35.	Burns/scalds/cuts	P.2	-Effects of accidents -First aid
36.	It helps a pupil to see	P.1	-Caring for body parts -Use of body parts
37.	By switching off electricity when not in use/using energy saving devices.	P.3	-Uses of electricity -Dangers caused by electricity
38.	By feeding them on a balanced diet/taking them for medical checkups/reminding them to take medicine	P.3	-Signs of HIV/AIDS -Effects of HIV/AIDS
39.	Six's thermometer/Minimum and maximum thermometer.	P.4	-Why alcohol is used in minimum thermometer -Use of domestic animals
40.	Calf	P.2	-How to care for domestic animals

SECTION B

-Uses of domestic animals

its	(a) Rat (b) Poisoning/setting traps/rearing cats. (c) Weevil (d) Cassava/sweet potatoes/maize/ground nuts/millet.	P.4	-Other examples of crop pests -Dangers caused by pests
42.	(a) California rabbit/chinchilla/Angora/New Zealand white Rex etc. (b) Pneumonia (c) To prevent rabbits from being eaten by predators/prevent dampness in the hutch.	P.4	-Signs of each rabbit diseases -How to control rabbit disease
43.	(a) To reflect most of the heat and light from the sun (b) It is used to measure the amount of rainfall received in an area. (c) (i) Cirrus clouds (ii) Nimbus clouds	P.4	-Dangers of clouds -Uses of clouds
44.	(a) Queen bee (b) Candle/shoe polish/floor polish/match sticks/etc. (c) Carbohydrates (d) Repairing the hive/defending the hive/feeding the queen bee/ etc.	P.5	-Types of bee hives -Advantages of using modern bee hives
45.	(a) By tying splints on the fractured parts. (b) (i) For dressing the wound/tying splints. (ii) cleaning the wound/used in dressing the wound (c) Should be brave/observant/kind/skillful/ Knowledgeable/etc.	P.4	-Components of first aid kit -Use of each component
46.	(a) They lead to death of people/destruction of building/death of domestic animals. (b) Wearing heavy clothes/keeping indoors/using umbrellas, gumboots.	P.3	-How to manage natural change -Good man made changes
47.	(c) Drought (a) (i) Apex (ii) Midrib (main vein) (b) Photosynthesis/transpiration	P.4	-Meaning of photosynthesis -Raw materials of photosynthesis

10,676
640,560
15,067

	(c) Pruning/thinning/spraying/weeding		
48.	(i) carbohydrates (ii) proteins (iii) vitamin A (iv) vitamin C	P.4	-Sources of food values -All deficiency diseases
49.	(a) They enable one to speak/they help in breaking down food in the mouth into small particles. (b) Crown/neck/root region (c) Periodontal disease/gingivitis/dental abscess.	P.4	-Habits that damage teeth -Tools used to clean teeth
50.	(a) Hookworms feed on blood while tapeworms feed on digested food. (b) By cooking meat properly/washing hands before eating/ drinking boiled water. (c) Thread worms	P.4	-Effects of worms to their body -How worms enter the human body
51.	(a) Nuclear family/foster family. (b) Uncle/Aunt/brother in-law/grand parents/etc.	P.2	-Definition of families -Advantages of each type of family
52.	(a) (i)L - Sub soil (ii)M- Top soil (b) Humus (c) Earth worm/termites/millipedes/etc.	P.3	-Uses of soil -Properties of soil
53.	(a) Lion/tiger/leopard/cheetah (b) Some kill people's domestic animals/kill people/destroy people's crops	P.3	-Importance of wild animals -How to care for wild animals
54.	(a) Switching off electricity when not in use/use of energy saving electric devices (b) Electric flat iron/electric oven/electric water heater/electric mortar/ blender etc. (c) By shocking the use/resulting into fire which destroys user's property.	P.3	-Sources of electricity -First aid for electric shock
55.	(a) Personal hygiene is the general cleanliness of our body and things we use. (b) Brushing teeth after every meal/dental flossing/rinsing the mouth after every meal. (c) Bad body smell/skin diseases.	P.4	-Use of a dental floss -Examples of teeth disorders

END