

QUEEN MARY KINDERGARTEN AND JUNIOR SCHOOL
MID TERM 1 EXAMINATIONS 2023
Primary Six (P.6)

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 Minutes

Name: _____

SECTION A (40 marks)

1. Name the vector that spreads malaria to people.

2. Write any one product got from bee farming.

3. Name the male part of a flower.

4. Write any one PIASCY message at your school compound.

5. An object has a mass of 64g and volume of 8cm^3 calculate its density.

6. Name the type of soil which is used to make glasses.

7. What does digestion of food start in humans?

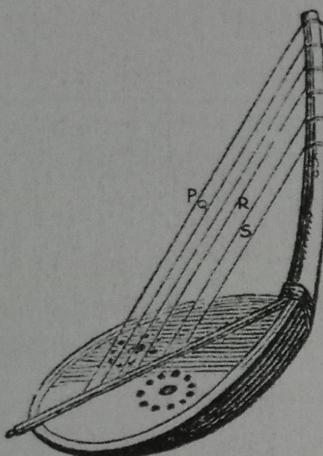
8. Why is the volume of a stone measured using displacement method?

9. How does worker bees control temperature of the hive?

10. Give any one physical difference between hens and cocks.

11. What is meant by the term sound?

12. Give any one example of an odd toed ungulates.



The diagram below shows a well-tunned musical instrument.
Use it to answer question 13 and 14.

13. To which group of musical instruments does the above instrument belong?

14. Why does string S produce sound of the highest pitch?

15. By what process is alcohol made from fruit juice?

16. Which type of change is moulting in insects?

17. Why is an eagle referred to as a bird of prey?

18. What would you do to a guitar string to make it produce a high pitched sound?

19. Which type of immunity do babies get from their mothers?

20. State the difference in units used to measure weight and mass.

21. State the role of enzymes during food digestion.

22. Which element of primary health care helps to prevent tooth decay?

23. Why do some plants shed off their leaves during dry season?

24. Why are sun birds able to suck nectar from their leaves during dry season?

25. Why does an earthworm come out of the soil on rainy day?

26. Convert 77°F to $^{\circ}\text{C}$.

27. Mention one example of poisonous snake.

28. In which way is the quill feather useful to a bird?

29. State the role of an egg shell apart from protecting the embryo.

30. What name is given to the breathing trumpet of a mosquito at the larva stage?

31. Define the term metamorphosis.

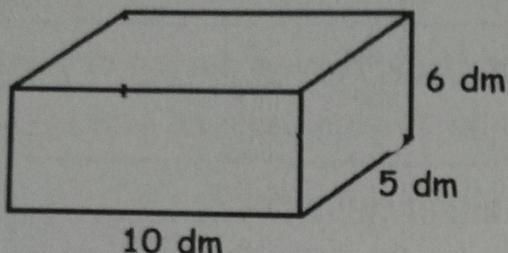
32. State one vice in poultry.

33. Why do some objects sink in water?

34. Mention one disease immunized at birth.

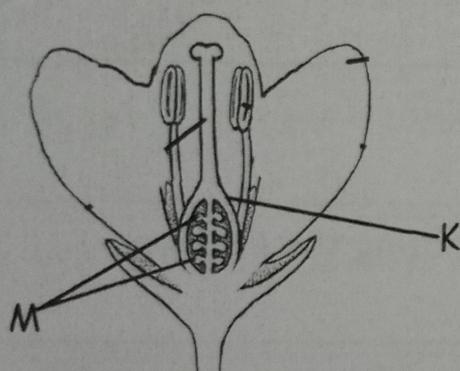
35. Mention any one food deficiency disease.

36. Find the volume of the figure below.



37. Give one component of air used by plants in the manufacture of their own food.

38. Give one material used when bathing.



The diagram below is of a flower, use it to answer question 39 and 40.

39. Name part marked with letter M.

40. Use an arrow and letter P to show the parts that attracts pollinators.

SECTION B (60 Marks)

41. (a) Give one type of soil erosion.

(b) Mention two causes of soil erosion.

(c) State one way of controlling soil erosion.

42. (a) Name the type of permanent teeth used for tearing food.

(b) Mention the type of teeth commonly found in children.

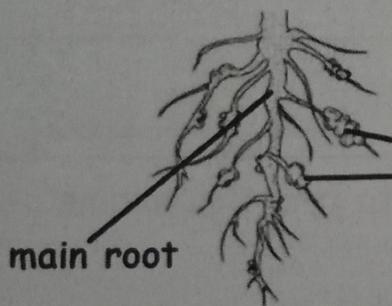
(c) Give any one disease that affect the human teeth.

43. Match the following deficiency disease with its cause in the table below.

Deficiency disease	cause
Kwashiorkor	lack of iodine
Marasmus	vitamin D
Rickets	proteins
Goitre	carbohydrates
	Vitamin C

- (i) Kwashiorkor _____
(ii) Marasmus _____
(iii) Rickets _____
(iv) Goitre _____

44. The diagram below shows a root system. Use it to answer questions that follow.



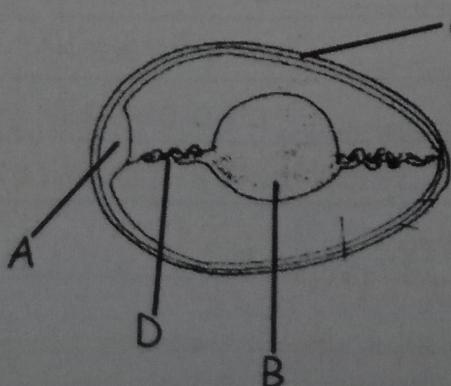
(a) Name the part marked with letter X.

(b) Give a name to the organism found in the structure mentioned above.

(c) Write down two examples of food crops with such roots in the diagram above.

i) _____ ii) _____

45. Below is a diagram of a fertilized egg. Use it to answer questions that follow.



(a) Name parts marked:

(i) D _____

(ii) B _____

(b) Why is part marked C porous?

(c) How useful is part D in an egg?

46. (a) Which term is used to describe a condition in which a person does not have enough water in the body?

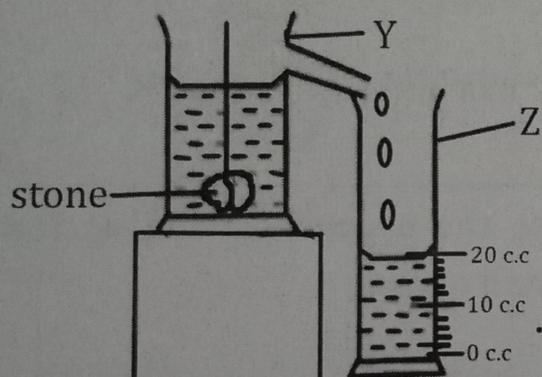
(b) Mention two signs of the above condition in children.

i) _____

ii) _____

(c) What first aid can you give to your friend in P.4 who is suffering from the above named conditions?

47. The experiment below was carried out by a P.6 class. Use it to answer questions that follow.



(a) Name the containers labelled Z and Y above

Z _____
Y _____

(b) Name the method used to find the volume of the stone above.

(c) What type of object is a stone in the above experiment.

48. State the type of change that takes place when

(a) A knife rusts _____

(b) Water freezes _____

(c) A fruit ripens _____

(d) Salt dissolves in water _____

49. (a) Give one reason why some people rear poultry.

(b) Name any one example of layers children.

(c) State any two methods of keeping poultry.

50. (a) What are arachnids?

(b) List any one characteristic of arachnids.

(c) State any one example of arachnids.

(d) Suggest the breathing organ for spiders.

51. Complete the table of immunization card below by filling in the missing word.

DISEASE	VACCINE	SITE	CAUSE
	BCG	Right upper arm	Bacteria
polio	Polio vaccine	_____	Virus
tetanus	DPT vaccine	_____	Bacteria
measles	_____	Left upper arm	Virus

52. Give any one example of the following groups of birds.

- i) scavenger birds _____
- ii) Swimming birds _____
- iii) Birds of prey _____
- iv) Wading bird _____

53. (a) What is weather?

(b) How do people protect themselves against raining weather?

(c) Give one use of the following equipment on a weather station.

i) Raingauge _____

ii) Campbell _____

54. (a) Define the term music.

(b) Give any one example of a natural source of sound.

(c) Mention any two examples of aerophones.

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

(b) State one liquid used in clinical thermometers.

(c) Give any one reason why mercury is used in thermometers.

Good Luck

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