

SEEDS OF GRACE PRIMARY SCHOOL

BEGINNING OF FEBRUARY EXAMINATIONS, 2024 PRIMARY SEVEN INTEGRATED SCIENCE

NAME: _____ CLASS: _____

SECTION A

1. What is adolescence?

2. Name one-night insect pollinator of flowers.

3. How do farmer care for their crops in the dry season?

4. Apart from the queen bee, give one other member of a bee colony.

5. By what process do plant roots absorb water from the soil?

6. What food nutrient is lacking in the body of a child whose diagram is shown.



7. Mention one method of preserving milk.

8. Why can't mushrooms make their own food?

9. How does yeast reproduce?

10. Which body organ is protected by the skull?

11. **In the space provided below, draw a compound leaf.**

12. Oponyo has severe diarrhoea which has lasted a week. How can this condition be treated?

13. Explain one advantage of grafting as a method of plant propagation.

14. Name one part found on the thorax of an insect.

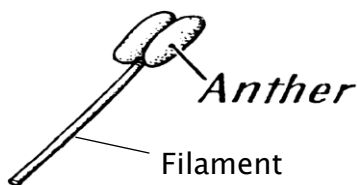
15. Maria got a contract of supplying eggs to Hotel Africana. What type of chicken should she rear?

16. How is the endosperm of a maize grain similar to the cotyledon of a bean seed in terms of function?

17. How is soap useful in promoting personal hygiene?

18. How can infants acquire immunity?

The diagram below shows part of a flower. Use it to answer question 19.



19. How is the above part important in the reproduction of a plant?

20. Identify one layer of a soil profile.

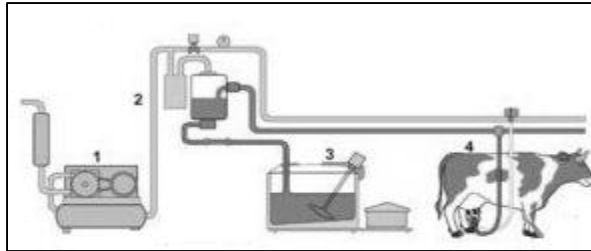
21. Give one example of a PIASCY message.

22. Most farmers who keep local cattle rear bullocks. Give a reason for this practice.

23. In which part of the digestive system of mammals does chemical digestion end?

24. Why does most of the photosynthesis process take place during day time?

25. Besides the method of milking shown below, state another method of milking cows.



26. Name one respiratory disease immunized against using the DPT vaccine.

27. Mention one activity that primary six pupils should do to promote personal hygiene.

28. Why would it be dangerous to fill oxygen in fire extinguishers?

29. Who is a "casualty" in relation to human health?

30. Give one role of a father at home.

31. Name one example of root crops.

32. Why is silk said to be a resource?

33. Why do you iron school uniforms?

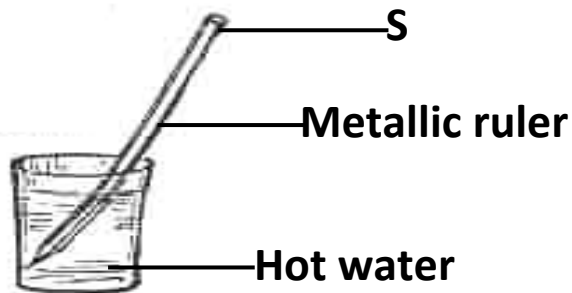
34. Why would one encourage community members to harvest rain water?

35. Name the basic unit of measuring the mass of an object.

36. Give one cattle disease caused by a protozoon.

37. State one example of a heat insulator.

Study the diagram below and answer questions 38.



38. By what process does heat travel from the hot water to point S on the ruler.

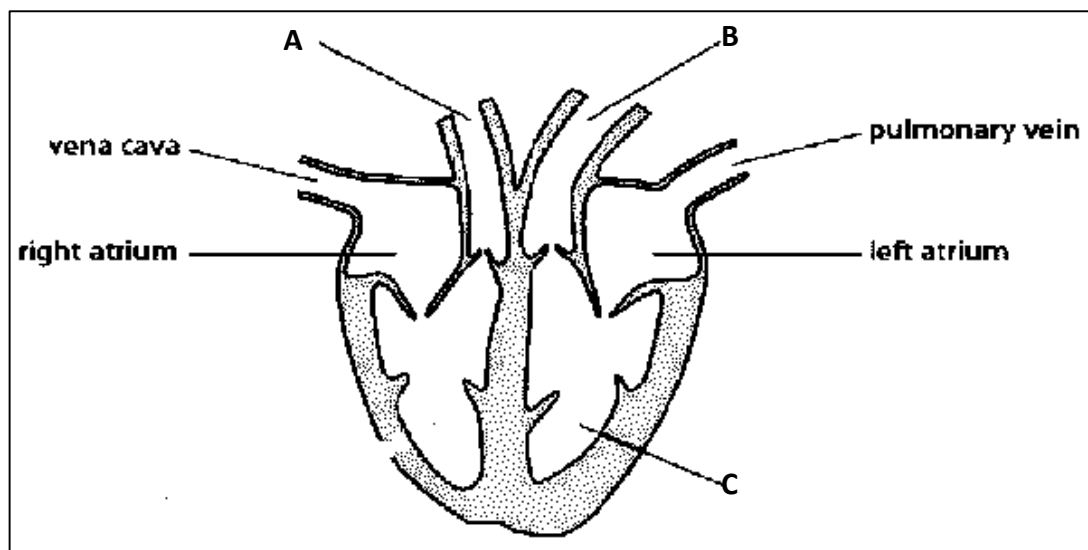
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39. Why do crop farmers dislike caterpillars?

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40. Give the importance of the Stevenson's screen at a weather station.

SECTION B (60 MARKS)

41. The diagram below is of a mammalian heart.

(a) What is the main function of the heart?

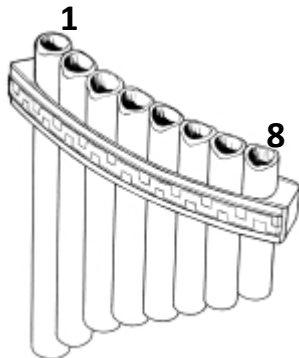


(b) Name the parts marked A and C

A _____ C _____

(c) Use arrows to show the flow of deoxygenated blood through the heart drawn above.

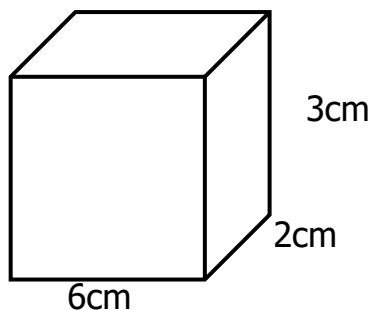
42. (a) **The diagram shows a musical instrument.**



(i) To which group of musical instruments does it belong?

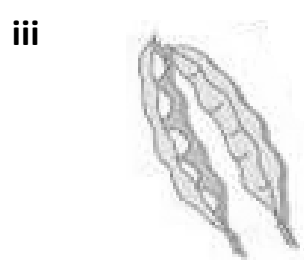
(ii) Why does pipe 8 above produce sound of the highest pitch?

(b) Calculate the volume of the figure below. (2mks)



43. (a) What is seed dispersal?

(b) State the agents of seed dispersal for the following seeds/fruits.



(i) _____ (ii) _____ (iii) _____

44. **The diagram below shows immunization schedule table. Use it to answer the questions that follow.**

Disease	Vaccine	Age	Site
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Polio	_____	birth	Mouth
_____	Measles vaccine	9 months	left upper arm
Diphtheria	DPT	6 weeks, 10 weeks	_____
Tuberculosis	BCG	_____	Right upper arm

45. (a) What is first aid? _____

(b) Why should an accident victim be given first aid as soon as possible?

(c) Give one use of the following items when giving first aid:

(i) splints _____

(ii) methylated spirit _____

46. (a) What is Apiculture? _____

(b) How are drone bees useful in a bee colony?

(b) Write down two duties of worker bees in a hive.

(i) _____

(ii) _____

47. (a) List down two examples of non-communicable diseases.

(i) _____ (ii) _____

(b) Give one way of preventing non-communicable diseases in our society.

(c) Name one disease spread through open cuts and wounds.

48. (a) Give the importance of the following body organs.

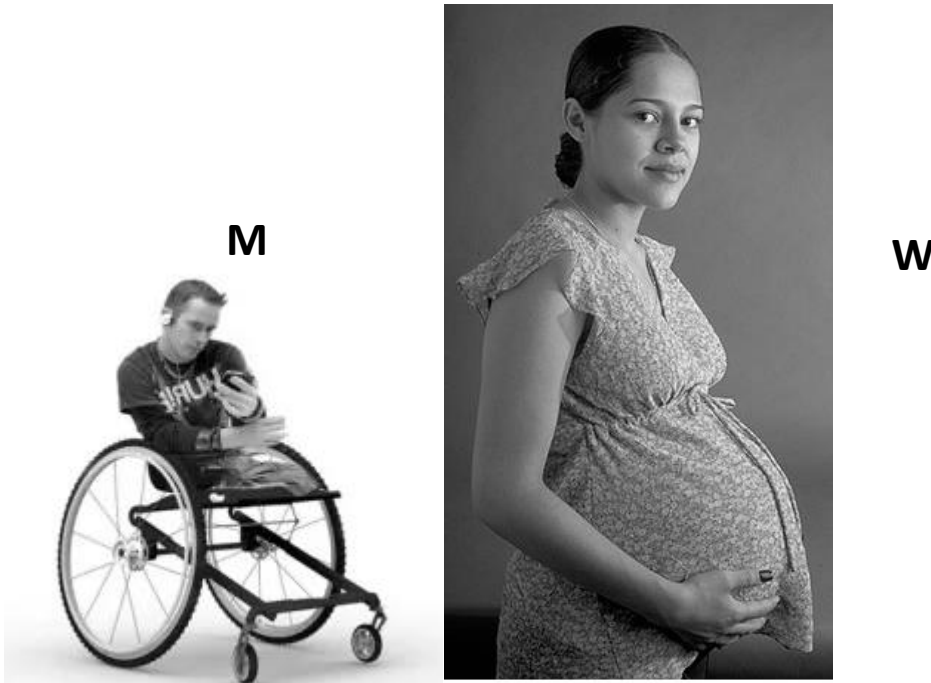
(i) Heart: _____

(ii) Lungs _____

(iii) Kidneys: _____

(iv) Skin: _____

49. **The diagram below shows two people. Use it to answer the given questions.**



(a) Who of the two people above is vulnerable?

(b) Give a reason to support your answer in (a) above.

(b) How is a wheel chair important to person M?

(c) State one way of caring for person W at home.

50. (a) Why are squirrels said to be crop pests?

(b) Give two ways by which farmers can control crop pests.

(i) _____

(ii) _____

(c) Give one effect of crop pests.

51. **(a) Match the weather instruments to their uses correctly.**

Weather instrument

use

Rain gauge

shows direction of wind

Hygrometer

measures air pressure

Wind cock

measures the amount of rainfall

Barometer

measures humidity

Weather instrument

use

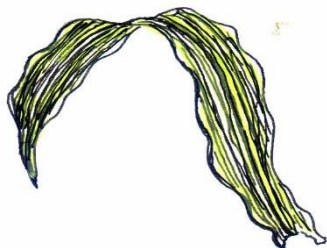
Rain gauge

Hygrometer

Wind cock

Barometer

52. **Study the diagram of the leaf below and use it to answer the following questions.**



(a) Name the type of leaf venation shown.

(b) In which group of flowering plants do we find such a leaf?

c) Outline two uses of leaves to people.

(i) _____

(ii) _____

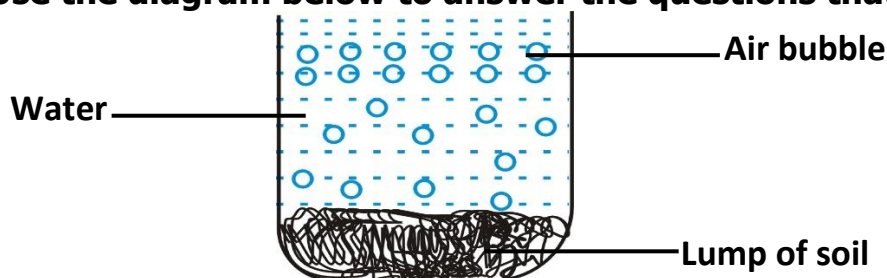
53. **(a) Fish is perishable food and therefore needs to be preserved.** Mention two ways of preserving it.

(i) _____ (ii) _____

(b) How can food get contaminated?

(c) Why should one wash hands before serving food?

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



(a) What does the experiment above prove about soil?

(b) Name one soil organism.

(c) How is soil useful to man?

(d) Apart from air, give one other inorganic component of soil.

55. The pictures below show people smoking shisha.



(a) What type of smoking is shown above?

(b) Apart from shisha, name any one other drug commonly abused in our society.

(c) State one danger such people are likely to experience.

(d) How can you help such friends to avoid the danger mentioned above?