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PRE MOCK SET 6 EXAMINATIONS, 2024
P.7 INTEGRATED SCIENCE
Time allowed: 2hours 15 minutes

Index No. ☐☐☐☐☐☐☐☐☐☐   STREAM: _____
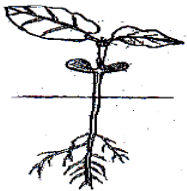
Candidate's Name: _____

SECTION A (40 MARKS)

1. State one thing that a hen provides to its chicks.

_____

2. In which harmful way is a water snail similar to a housefly?

_____

_____

3. How can you keep your skeletal system in good working order?

_____

4. Why is petroleum known as a non renewable resource?

_____

_____

The diagram shows a germinating bean seed. Use it to answer question 5.
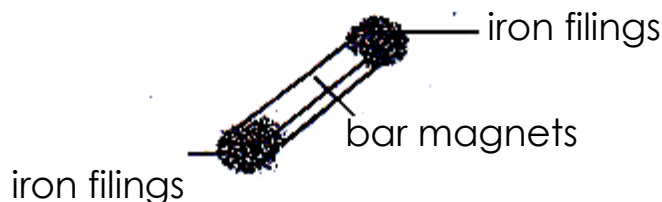

5. Name the type of germination shown.

_____

_____

6. Which part of a mushroom produces and stores gills?

_____

7. How can a family participate in the promotion of primary health care?

_____

_____

8. Give one danger of draining wetlands.

_____

_____

The diagram shows an experiment done by P.7 students. Study it and answer questions 9.

iron filings
bar magnets
iron filings

9. Identify the property of magnets shown in the diagram.

_____

10. Why do bees visit flowers?

_____

11. In what way is the reproduction of birds similar to that of reptiles?

_____

_____

12. How do people get infected with cholera?

_____

13. Give one difference between the air we breathe in and the air we breathe out.

_____

_____

14. State one secondary sex characteristic which occurs in adolescent girls only.

_____

_____

15. Why is the zero grazing system of keeping cattle suitable in urban areas?

_____

_____

16. Mention one thing you can do to care for your cassava crops in the garden.

_____

_____

17. Suggest one way saliva is useful during digestion?

_____

_____

The diagram shows a nutcracker. Study it and answer the questions which follow.

18. Show with an arrow letter L the position of the load.
19. In which class of levers is a nutcracker?

_____

20. How are air sacs (alveoli) adapted to their function of gaseous exchange?

_____

21. Apart from meat production, why else do people keep goats?

_____

22. The child's health card shows immunization information about a child. Mention any one information recorded on a child's card.

_____

23. Which component of the soil improves on its fertility?

_____

24. Apart from baking of bread how else can yeast be useful?

_____

25. Of what importance are ventilators on living house?

_____

_____

26. Name the blood vessels which transport blood from the heart to all parts of the body.

_____

27. How are maggots and bacteria found in pit latrines useful?

_____

_____

28. Identify the force which enables a bicycle to stop when the brakes are applied.

_____

29. You hear the school bell at the end of the lesson, what sense organ did you use to detect the sound of the school bell?

_____

30. Why is HIV/AIDS considered to be the most dangerous sexually transmitted disease?

_____

_____

The diagram shows the foot of a bird.

31. How is part marked Z important to the bird?

_____

_____

32. Give one example of a bird with such a foot.

_____

33. Name the process by which liquids turn into gases (vapour).

_____

34. Give one way of identifying a legume from other dicotyledonous crops.

_____

_____

35. Which part of the male reproduction organ is responsible for production of sperms?

_____

36. Apart from sun drying, state one other method of preserving food.

_____

37. In which state of matter does sound travel fastest?

_____

38. Give one characteristic of enzymes.

_____

_____

39. What is the difference between the life cycle of a grasshopper and that of a mosquito?

_____

_____

40. In the space below, draw a diagram to show that air exerts pressure?

SECTION B

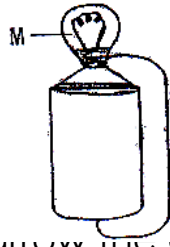41(a) What do we call the programme where older children teach young children good health habits?

_____

(b) State two good health habits you teach your young brother or sister.

(i) _____

(ii) _____

(c) Write down one requirement for a pregnant woman.

_____

42. **Study the diagram of a simple circuit and answer the questions which follow**.

M —

(a) Show with an arrow the direction of flow of the current.

(b) Apart from light, give one other form of energy produced at M.

_____

(c) What energy change occurs in the dry cell when the circuit is complete?

_____

(d) Mention one thing that you can do to increase the brightness of the light of a bulb in the diagram above.

_____
_____

43(a) What is a resource?

_____
_____

(b) Give one example of;

(i) a non-living resource: _____

(ii) a living resource: _____

(c) How can air be used as an energy resource?

_____
_____

44(a) What is fever?

_____
_____

(b) Suggest two ways you can give First Aid to a person with fever.

(i) _____

(ii) _____

(c) Mention one disease which results into fever.

_____

45. **Match the type of joint to the part of the human body where each names**.

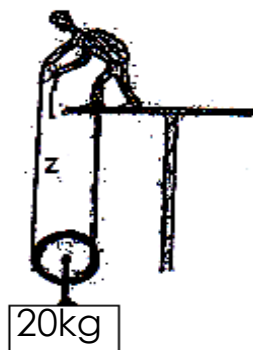| Type	Part
Hinge joint	wrist
gliding joint	shoulder
pivot joint	neck vertebra
ball and socket joint	elbow

(a) Hinge joint: _____

(b) Gliding joint: _____

(c) Pivot joint: _____

(d) Ball and socket joint: _____

46. **Study the diagram of the pulley shown and answer the questions which follow**.

(a) Name the type of pulley shown in the diagram.

_____

(b) How does the pulley shown make work easy?

_____

_____

(c) Put arrows on the strings to show the direction of the effort.

(d) If the MA of machine is 2calculate the effort required to move the load.

47(a) Write down any two types of poultry.

(i) _____

(ii) _____

(b) State two disadvantages of keeping local breeds of poultry.

(i) _____

(ii) _____

48(a) List two things you can do to promote personal hygiene.

(i) _____

(ii) _____

(b) Mention two things that you can do to live a healthy life style.

(i) _____

(ii) _____

49(a) What is the greatest natural source of heat and light?
_____
(b) Give one effect of heat on matter.
_____
_____
(c) Loveness made a fire and she sat 1 metre away from the fire on a stool. By what process did she receive the heat?
_____
50(a) Apart from weathering, state one other process by which soil is formed.
_____
_____
(b) Which component of soil forms the greatest percentage of it?
_____
(c) What does the experiment in the diagram prove about soil?

_____
(d) How does mulching improve on soil fertility?
_____
_____
51(a) What is a balanced diet?
_____
_____
(b) Identify the cause of each of the following deficiency disease.
(i) scurvy: _____
(ii) anaemia: _____
(c) Why should the elderly be fed on food rich in proteins?
_____
_____
52(a) Mention two examples of chemical changes.
(i) _____
(ii) _____
(b) Write down two characteristics of chemical changes.
(i) _____
(ii) _____

53(a) Which scientific term is used to describe the process by which harmful waste products are removed from the body?

_____

(b) Mention the body organ which removes each of the following waste products.

(i) Sweat: _____

(ii) Bile pigments: _____

(iii) carbondioxide and water vapour:

_____

54. **The diagram below shows a common vertebrate. Study it and answer the questions below**.

(a) In which group of vertebrates is it found?

_____

(b) Identify one other vertebrate in the group with the one shown above.

(c) Name the part labeled V?

_____

(d) How are the structures labeled (V) above useful to the vertebrate?

_____

_____

55(a) State two solutes you can use to make Oral Rehydration Solution (ORS).

(i) _____

(ii) _____

(b)Why do you have to wash your hands before preparing ORS?

_____

(c) Give one reason why ORS should be given to a dehydrated person?

_____

_____

*****GOD BLESS****