



THE PEARL EDUCATIONAL CONSULT
MAGICAL SET 2 EXAMINATION-2023
P.7 INTEGRATED SCIENCE

Time allowed: 2 Hours 15 minutes

Name:

School:Stream:.....

SECTION A

1. Name the body organ protected by the rib cage.

2. State the form of energy that changes water to vapour.

3. Identify one example of a saprophyte.

4. Write one way of controlling the spread of cholera in a home.

5. Mention any one animal fibre used for making clothes.

Below is a blood cell.



6. How important is a blood cell to the body?

7. Write one element of Primary Health Care (P.H.C).

8. State the functional difference between Ligaments and tendons.

9. What is the use of nasal hair in the nostrils of man?

10. State the food value we get from eating honey.

11. What name is given to the artificial habitat for fish?

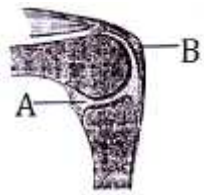
12. How does one get infected with tape worms?

13. Give any one way in which wind can be used as an energy resource.

14. Why is the filament of an electric bulb coiled?

15. How best can a Primary Seven pupil avoid contracting STDs?

The diagram below shows a human joint. Study it and answer question 16 and 17.



16. Name the part marked B.

17. Give the function of part marked A.

18. Convert 50°F to °C using the formula $\frac{5}{9} (^{\circ}\text{F} - 32)$.

19. Mention any one rabbit disease.

20. Identify any one situation where filtration is applicable at home.

21. In which one way are bacteria useful to people?

22. State any one difference between chemical and physical change.

23. Suggest one way of changing the pitch of string musical instrument.

24. Why do you classify an Irish potato as a stem tube?

25. What is the end product of digestion of starch?

26. **In the space below draw a compound leaf.**

27. Briefly describe the first aid for burns and scald.

28. In which way can mulching be dangerous to crop farmers?

29. Name one example of arachnids.

30. State the function of the hydrochloric acid in the stomach during digestion.

31. In which state of matter does heat travel by convection?

The diagram below shows a foot of a bird.



32. Which group of birds have the foot shown above?

33. State one danger of using hard paper in the modern toilet.

34. How can the government control the spread of cattle diseases in the districts?

35. **The diagram below shows a magnet. Draw magnetic fields using a pencil.**



36. Give the method used to measure the volume of an irregular object.

37. Why does a school pupil need a water bottle?

38. Name the form of static electricity in nature.

39. Apart from living organisms and water, mention any other component of soil.

40. Alcohol is harmful to an individual. How is it important to man?

SECTION B

41. ***Match the sense organs to their uses correctly.***

Sense Organ

Use

eye	smelling
nose	seeing
skin	tasting
tongue	feeling
	touching

- (a) Eyes: _____
- (b) Nose: _____
- (c) Skin: _____
- (d) Tongue: _____

42. (a) Give the difference between air and wind.

- (b) State the importance of the following gases to man.
- (i) Argon:

- (ii) Carbon dioxide:

- (c) Which property of air enables children to burst the balloons?

43. (a) What is pollination?

(b) Mention any one agent of pollination.

(c) Give a reason why paw paws avoid self-pollination.

(d) Give one importance of pollination to plants.

44. (a) Write one sentence to show the meaning of immunity.

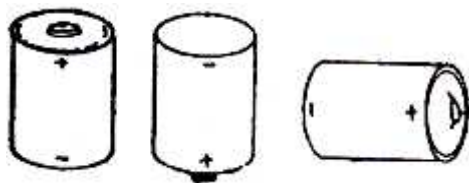
(b) Identify the type of immunity acquired through;

(i) Injecting vaccines into the body.

(ii) Suffering and recovering from an illness.

(d) State the best way of controlling immunisable diseases in babies.

45. (a) **One of the factors that make a torch fail to work is poor arrangement of batteries. In the space below, draw and arrange the batteries correctly.**



(b) What energy change takes place in the dry cells when the circuit is complete?

(c) Mention one cause of short circuit.

(d) Give one way of preventing dangers caused by short circuit.

46. (a) Give one importance of a good posture.

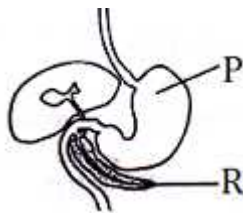
(b) What mineral is needed for the formation of strong bones?

(c) Mention one disease and disorder of the skeletal system;

(i) Disease: _____

(ii) Disorder: _____

47. ***The diagram below shows parts of the alimentary canal of man. Use it to answer the question about it.***



(a) Name the part marked.

(i) P _____

(ii) R _____

(b) Identify the digestive juice produced at part marked P.

(c) Mention one disorder of the above system.

48. (a) Give the difference between vectors and germs.

(b) Mention one common vector that breeds in still water.

(c) How does pouring oil on still water prevent the spread of malaria?

(d) Suggest any other danger of malaria to our lives.

49. (a) Name any two traditional method used in preserving food.

(i) _____

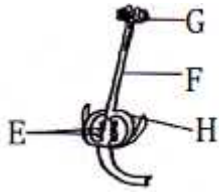
(ii) _____

(b) Give two reasons of preserving food.

(i) _____

(ii) _____

50. **The diagram below shows parts of a flower.**



(a) Name the parts marked.

(i) F _____

(ii) H _____

(b) What process takes place at G?

(c) What does part E develop into after fertilization?

51. (a) Why do farmers keep the following types of chicken?

(i) Table birds: _____

(ii) Light birds: _____

(b) Which type of food is given to the types of chicken mentioned in (a) above?

(i) Table birds: _____

(ii) Light birds: _____

52. (a) Explain the following terms as used during the study of reproduction.

(i) Adolescence: _____

(i) Puberty: _____

(b) Where does conception take place in man?

(c) What is the duration of the gestation period of a human being?

53. (a) Name the two types of germination.

(i) _____

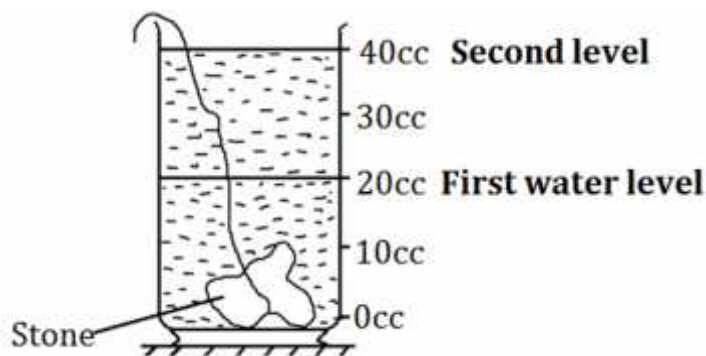
(ii) _____

(b) How are the following conditions important during germination?

(i) Water: _____

(ii) Oxygen: _____

54. *The diagram below shows a method of finding volume of certain objects. Use it to answer questions that follow.*



(a) What kind of object requires the above method of finding volume?

(b) Find the volume of the stone above.

(c) If the mass of the stone is 60gms. Calculate its density.

(2mks)

55. (a) Name one example of an energy resource in environment.

(b) Identify the energy resource that is used in production of solar energy.

(c) Give one advantage of using parabolic solar cookers.

(d) Mention one disadvantage of parabolic solar cookers.

*******GOD BLESS*******