

BETHEL JUNIOR SCHOOL

PRE PRIMARY LEAVING EXAMINATION  
2024

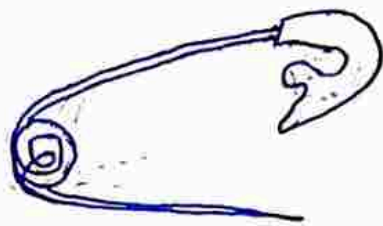
SCIENCE SET 2/4

SECTION A

1. Name the body organ that act as a biological filter.
2. Give a reason why clay soil is the best for making ceramics.
3. How does a sweater keeps the body warm
4. In which one way are babies similar to elderlies as vulnerable groups of people.
5. Name the part of the mammalian ear that help in balancing the body.
6. Why do heart travels fastest in solid
7. State one way of ensuring cleanliness in a ram.
8. Identify the best method of separating small pins from rice grains.
9. Identify the property of sound that enables a bat to dodge obstacle in space.
10. What benefit does a fish gains from its slippery body?
11. By what process does sound travel in air
12. How can a farmer ensures multiple birth sheep.
13. Mention any one factor that affect menstrual cycle.

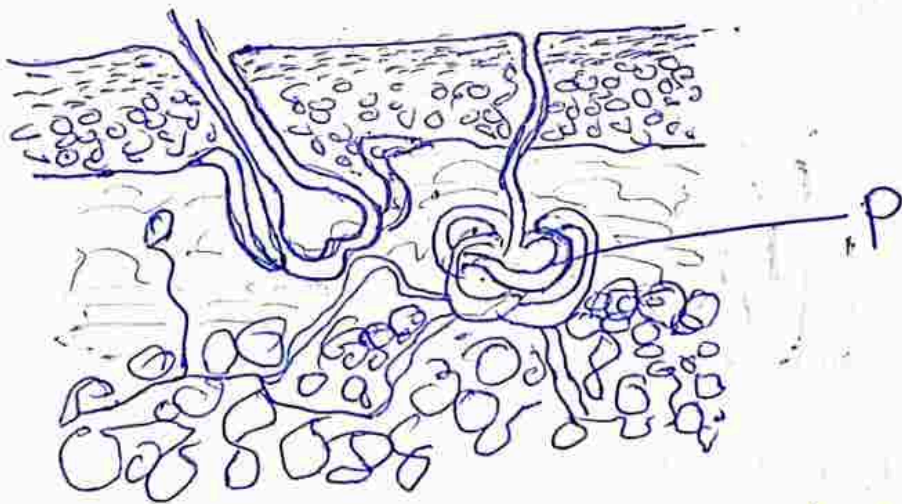


The diagram below shows a first aid equipment. Use it to answer questions 14 and 15.



14. Name the first aid equipment shown above.
15. How is the above equipment useful in giving first aid to a victim of fracture.
16. State the similarity between yeast and enzyme.
17. Give a reason why the breasts of an adolescent girl differ in size.

The diagram below shows an excretory organ. Use it to answer questions 18 and 19.



18. Why is the above organ regarded as an excretory organ.
19. State the function of part p in the organ shown above.
20. How is umbra different from penumbra in the way they are formed.
21. Using the list of organisms below construct a food chain to show the flow



of energy from one organism to another.

Frog, Eagle, Ants, Bacteria, Snake

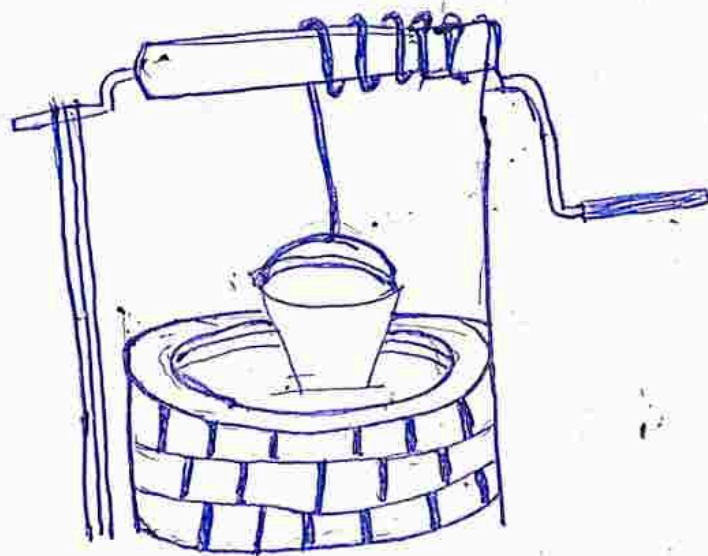
22. Write down any one characteristic of an image formed in the film.

23. State the non faecal disease spread by a vector in HFS germ path.

24. Why should seedlings be well watered a day before transplanting.

25. What is a health data?

The diagram below is of a machine, use it to answer questions 26 and 27



26. Name the simple machine shown above.

27. To which class of simple machine does the one shown above belong.

28. Identify the force that enable a stone thrown in a pit to easily reach the bottom.

29. How is the noise made by door hinge different from that of a roof during sunny day.

30. Give a reason for painting ceramics.



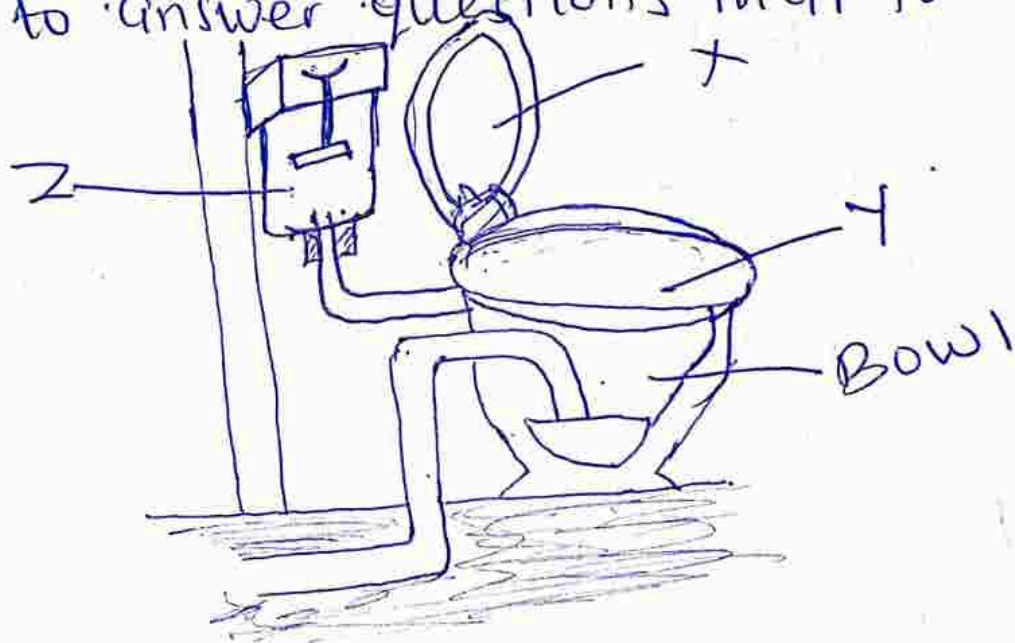
31. Okello lowered a stone of volume 4cc into a beaker containing water. If the water level in the beaker rises upto 24cc. Find the initial level of water in the beaker.

32. Give a reason why bedbugs produce bad smell when touched.

33. Why are we advised not to eat too much sweets.

34. Suggest a reason for fanning a victim of fainting.

The diagram below is of a flush toilet use it to answer questions that follow.



35. State the difference in the function of part Z and the bowl shown on the flush toilet above.

36. Give a reason why hard non biodegradable materials are prohibited in the toilet shown above.

37. Name the form of burn caused by skin contact with acid.



38. Why is light faster than sound.

39. ~~Where~~ do.

39. Mention any one place in the environment where external fertilization occurs.

40. How do barbers disinfect shaving machine after use.

### SECTION B 60 MARKS

41(a) Mention any one example of exotic breed of the following animals kept for ~~fiber~~ production.

(i) Sheep.

(ii) Goat.

b) How is dusting important in goat rearing.

c) State any one method of removing fleece in sheep.

42. The table below shows the list of <sup>Living things</sup> ~~organisms~~ in the environment; use it to answer questions that follow.

A	B	C
Spruce	Yeast	Hornworts
Redwood	mould	Horsetail
Podocarpus	puffball	Liverwort
Cedar	Toadstool	Fern

(a) Identify the group of living things in list A and B.

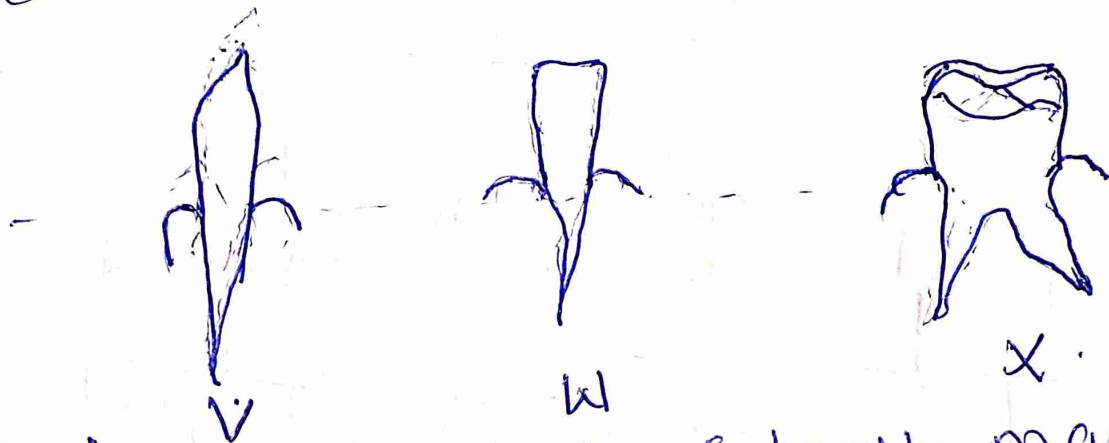
(i) A

(ii) B



- b) How are the organisms in list B different from those in list C?
- c) Name the structure in mould that performs the similar function as spore case in a horseshoe plant.

43. The diagram below shows different types of teeth. Use it to answer questions that follow.



- (a) Name the set of teeth marked X.
- b) To which class of simple machine does tooth W belong?
- c) Identify the tooth on the above diagram that is well developed in a cheetah.
- d) How is tooth X adapted to its function?
- 44 (a) How is a sprain different from a strain?
- b) In which one way is a sprain similar to a strain?
- (c) What first aid can you give to a victim who has taken rat poison and Jik?
- (i) Rat poison.
- (ii) Jik.

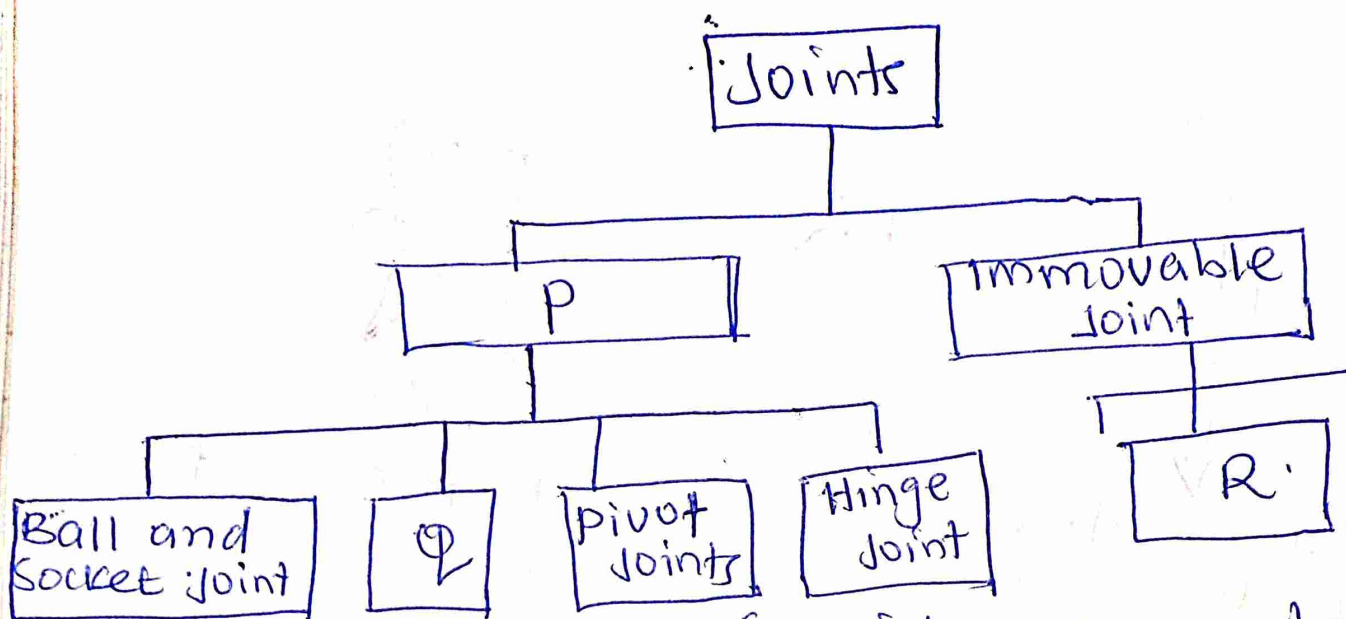
45 (a) Give two examples of vaccines administered once in a lifetime.



b) Why are vaccines named in "a" above administered ~~once~~ once in a lifetime.

c) How is the scar on the right upper arm important to ~~a~~ a doctor.

46. The table below shows types of joints. Study it carefully and answer questions that follow.



a) Name the type of joint represented by letter p.

b) Identify the part of the body where immovable joint R is found.

c) Suggest a reason why immovable joint R has a saw like structure.

d) State any one benefit of body physical exercise to the human skeletal system.

47(a) State ~~one~~ condition in the body caused infestation of the following worms

i) Hookworms.

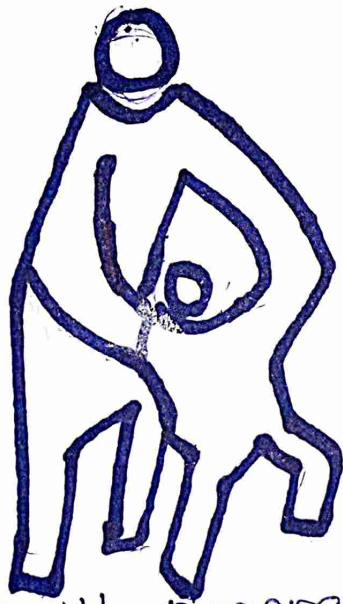
ii) Tapeworms.

b) Suggest any one way ~~to~~ the penetration

of tapeworms into the body is different from that of hookworms.

c) Give any one way hookworm infestation in infants can be prevented.

48. The diagram below shows a symbol of a health programme. Study it and answer questions that follow.



- (a) Name the health programme shown by the symbol above.
- b) Write down any two health activities done in the health programme shown above.
- c) In which one way is the above programme important to children?
49. Match Examples of simple machines in L to their ~~exa~~ classes in M.

L

Slide

car jack.

Door knob  
Shears

M.

Lever.

Wheel and axle.

Incline plane.

Screws.



50(a) Define the following terms used in describing food.

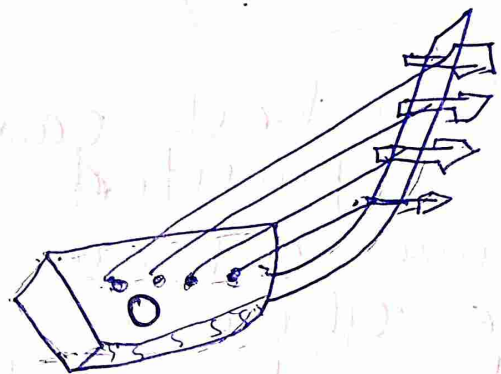
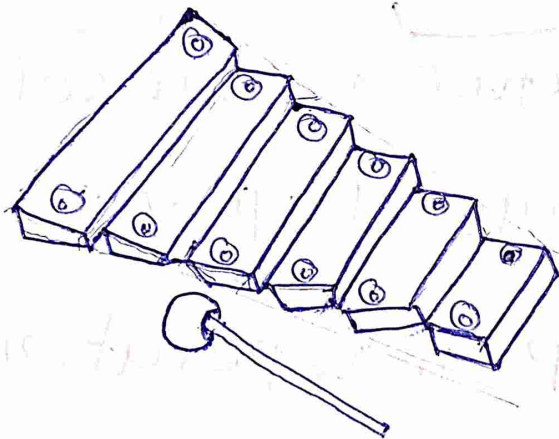
(i) Nutrition.

(ii) Feeding.

b) Give a reason why elderly need to be fed on foodstuffs rich in protein.

(c) Apart from elderly, give any one group of people who needs frequent feeding.

51(a) The diagrams below show musical instruments, study them carefully and answer questions that follow.



(a) Name the musical instrument Y and X.  
(i) Y -  
(ii) X -

(b) Using an arrow and letter K, show the part that amplifies sound in the musical instrument Y.

(c) How is pitch in musical instrument X increased?

52(a) Name the digestive gland that secretes the following enzymes.

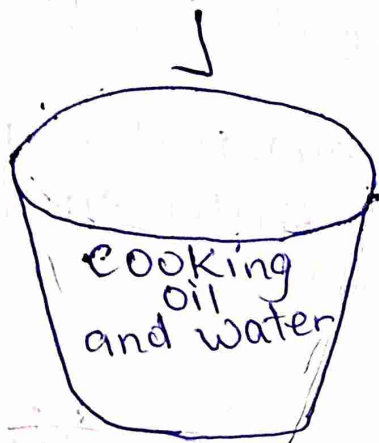
(i) ptyalin.

(ii) Trypsin.



- b) Give a reason why vitamin and mineral salt are not digested?
- c) In which one way is alcoholism harmful to the digestive system.

53. The diagram below shows buckets containing different mixtures of substance. Use it to answer questions that follow.



- a) How best can mixture in bucket P be separated?
- b) Give a reason to support your answer in (a) above.
- c) How do wind help in separation of mixture in L.
- d) State one application of the method of separating mixture in J.

54. a) Give a reason why some vaccines are administered;

i) At birth

ii) A week after birth.

b) Name the disease prevented by immunizing pregnant women with tetanus toxoid vaccine.

c) How is a child health card important to a school?



55(a) How is light different from heat as forms of energy.

b) Write down any one use of heat and light in the environment.

c) Heat

ii) Light

c) State any one evidence to prove that ~~the~~ heat makes matter expand.

WISH YOU SUCCESS IN PLE 2024

BY MR. OLEM JASPER (HEAD OF SCI DEPARTMENT)  
WHATSAPP 0780234585.