

SCIENCE PLE 2011

CANDIDATE'S INFORMATION

Index number :

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Name :

Signature :

School name :

District name :

SECTION A: 40 MARKS

1. Name the disease which is spread by a female anopheles mosquito.

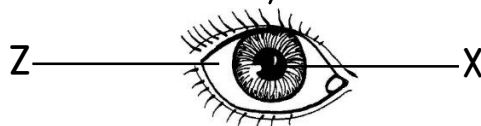
2. Which form of energy changes ice to water?

3. Give reason why drugs should be kept away from children.

4. Name the class of simple machines to which an axe belongs.

5. Write down any one example of a plant fiber.

The diagram below is of human eye. Use it to answer questions 6 and 7



6. Name the part marked with letter X.

7. Give the use of the part marked with letter Z.

8. State one type of accident whose First Aid is to put the affected part of the body in cold water.

9. Why should children be given food which is rich in proteins?

10. Give one way in which plants depend on soil.

11. Give one way in which the umbilical cord is important to the development to the developing fetus in the Uterus.

12. Name any one characteristic of seeds which are dispersed by wind.

The diagram below shows a fracture. Use it to answer question 13.



13. What type of fracture is shown in the diagram above?

14. State the compass direction in which a freely suspended magnet will rest.

15. What is the use of gills in a mushroom?

16. Give one way in which P7 pupils can promote immunization in their families.

17. Apart from pregnant mothers, young and disabled people, give any one other group of people who need special care in a family.

18. In which way is a fuse similar to a switch in a simple electric circuit?

19. Why should a nurse shake the clinical thermometer before it is used on another patient?

20. State one way in which a farmer can control crop diseases without using chemicals.

21. Name the turning point of machine.
-
22. Why ventilators are usually put on a higher level than doors and windows in a house?
-
23. How do conifers differ from other non-flowering plants?
-
24. What is the importance of chimney in kitchen?
-
25. Apart from getting food, give any one other way in which birds benefit from plants.
-
26. What type of skeleton does a cockroach have?
-
27. What is the importance of water during seed germination?
-
28. How does a human body cool itself on a hot day?
-
29. How is the fertilization of the eggs of amphibians different from those of reptiles?
-
30. How can the pitch of a string of a musical instrument be changed?
-
31. Mary shouted in a big house and she heard the same sound repeated. Name the repeated sound she heard.
-
32. Give one disadvantage of using herbicides (chemicals) to kill weeds in crop gardens.
-
33. State an example of a crop which is legume.
-
34. Give any one way in which the human liver can be kept in proper working condition.
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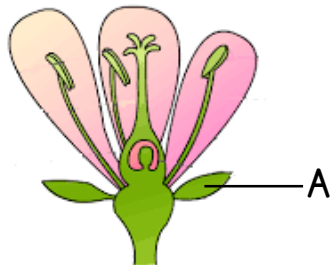
35. State any one way in which termites depend on soil.

36. A man lives with his wife, two sons and a nephew. What type of family is this?

37. Name any one by-product of respiration.

38. State the type of change that takes place when a baby grows to an adult.

The diagram below is a section of a flower. Use it to answer questions 39 and 40.



39. Name the part marked A.

40. Use letter P to show the part that produces the male reproductive cells.

SECTION B: 60 MARKS

41. a. Give one way in which Primary Health Care (PHC) is important to a community.

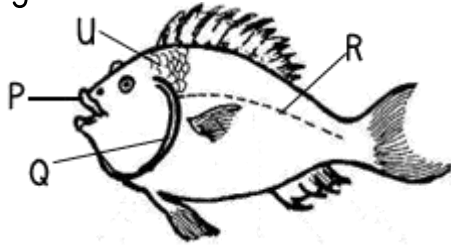
b. State the element of Primary Health care which is promoted by each of the following activities:

– Sweeping the kitchen

– Putting drops of polio vaccine into the mouth of a child

– Eating a balanced diet

42. The diagram below is of a fish. Use it to answer questions that follow.



a. Name the part labeled R.

b. Give the function of the parts labeled P and U.

P

U

c. What structure is covered by the part labeled Q?

43. a. State two differences between birds and mammals.

i.

ii.

b. Give two similarities between birds and mammals.

i.

ii.

44. The diagram below shows a germinating seed. Use it to answer questions that follow.



a. State the type of germination shown above.

b. Where does the seed above store the food used during germination?

c. Give an example of a crop with the same type of germination.

d. Apart from moisture, state any one other condition necessary for seed germination.

45. a. State any two natural causes of environmental degradation.

i.

ii.

b. Give two human causes of environmental degradation.

i. _____

ii. _____

46. a. Which part of the body is affected by each of the following diseases?

– Scabies _____

– Trachoma _____

b. State the vector which spreads each of the following diseases:

– Bilhazaria _____

– Rabies _____

47. a. Mention two primary sex changes that happen in boys.

i. _____

ii. _____

b. Give two secondary sex changes that happen in both boys and girls.

i. _____

ii. _____

48. a. Apart from millet, wheat and sorghum, give any one other cereal food crops.

b. Mention any one common pest that destroys cereal crops.

c. Give any two reasons why cereal crops are dried before storing.

i. _____

ii. _____

49. a. Apart from a worker bee, mention two other types of bees found in a bee hive.

i. _____

ii. _____

b. Write down two materials collected by a worker bee from the environment.

i. _____

ii. _____

50. a. What form of energy does a ball have before it is kicked?

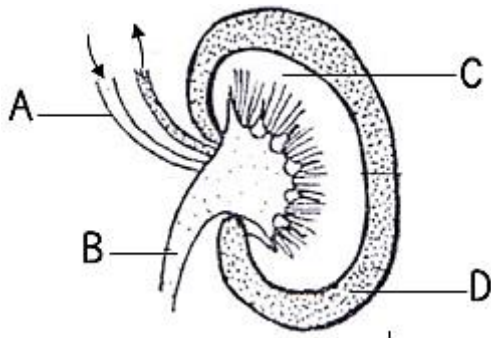
b. What energy change takes place immediately a ball is kicked?

c. Give two forms of energy produced by the ball as the goal keeper catches it.

i. _____

ii. _____

51. The diagram below is a section of a human kidney. Use it to answer questions that follow.



a. Name the parts marked with letters B and C.

B _____

C _____

b. What happens to blood in the part marked with letter D?

c. How is part A important to the kidneys?

52. a. Give any two reasons why it is important to wash hands before eating food.

i. _____

ii. _____

b. Apart from washing hands, mention any two other activities one can do to maintain personal hygiene.

i. _____

ii. _____

53. a. Name two natural resources in the environment that enable green plants to make their food.

i. _____

ii. _____

b. What is the name of the process in (a) above?

c. Which gas is given off during this process?

54. a. Name any two products got from sheep.

i. _____

ii. _____

b. What does shearing refer to in sheep rearing?

c. How can a farmer control pneumonia in sheep?

55. a. What force makes a pencil to reduce in length as one writes?

b. Name any one form of energy produced by the force in (a) above as one writes.

c. Give any two disadvantages of the force you have named above to the writer.

i. _____

ii. _____