LITTLE MUHEJI SCHOOL

SET XXV EXAMINATION 2020

PRIMARY SEVEN SCIENCE

NAME: _____

CLASS: _____**STREAM:**_____

CLASSIFICATION OF PLANTS.
Section A

1. Give any one example of a plant with prop roots.
   .....
2. What is the function of a micropyle to a germinating seed?
   .....
3. How are green plants important in the water cycle?
   .....
4. State the method passion fruits use to climb others.
   .....
5. Why are maize grains grouped under monocotyledonous seeds?
   .....

   The diagram below shows a leaf. Study it carefully and use it to answer the questions 6 and 7.

6. What type of venation is shown in the diagram above?
   .....
7. Which group of flowering plants has such venation?
   .....
8. Why is photosynthesis important to plants?
   .....
9. Give any one way in which plants are important during photosynthesis?
   .....
10. State the importance of soil to plants.
    .....
11. How is the propagation of a sweet potato different from that of an Irish potato?
    .....

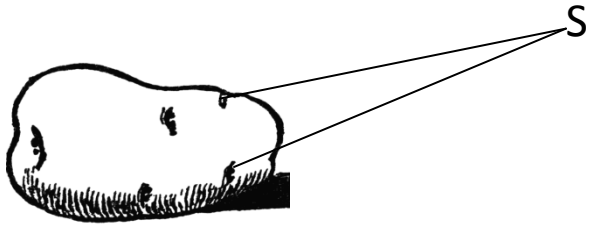
12. In the space below, draw a compound trifoliate leaf.

13. How do animals benefit from photosynthesis?
    .....
14. Why is transpiration important to plants?
    .....
15. Give any one example of a plant which grows from stem cutting.
    .....

Study the diagram of a seed below and use it to answer the questions 16 and 17.

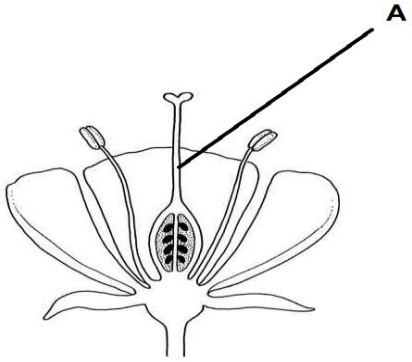
16. Give the agent responsible for the dispersal of the seed above?
    .....
17. Give the importance of the part marked V during dispersal.
    .....
18. Give any one way in which flowers are important to plants.
    .....
19. What is the importance of bees to plants?
    .....
20. Why is osmosis important to plants?
    .....
21. Give the importance of bacteria found in the root nodules of a legume.
    .....
22. Why is water necessary during germination?
    .....
23. Give one difference between algae and fungi?
    .....
    .....
24. Apart from decoration and food, state one other use of flowers to people.
    .....
25. State one way in which sun is important to plants.
    .....

The diagram below shows an Irish potato tuber.



26. What is the use of part marked S?
    .....
27. How do plants reduce carbon dioxide in the atmosphere?
    .....
28. Why are the sunbirds able to carry pollen grain from the anthers to the stigma?
    .....
29. What do we call the things that carry pollen grain from the anthers to the stigma?
    .....
30. Write any one example of a plant fiber.
    .....
31. Give any one characteristic of seeds dispersed by wind?
    .....
32. How do conifers differ from other non-flowering plants?
    .....
    .....

The diagram below is of a flower. Use it to answer the questions 33 and 34.



33. Name the part marked A.
    .....
34. Use letter P to show the part that produces male reproductive cells.
35. Apart from mosses, give one other example of spore bearing non flowering plants.
    .....
36. Apart from making food, mention one other use of leaves to plants.
    .....
37. What plant system does plumule make when it grows?
    .....

38. Which process in plants is similar to sweating in humans?

.....

39. Why do some plants shed their leaves during dry season?

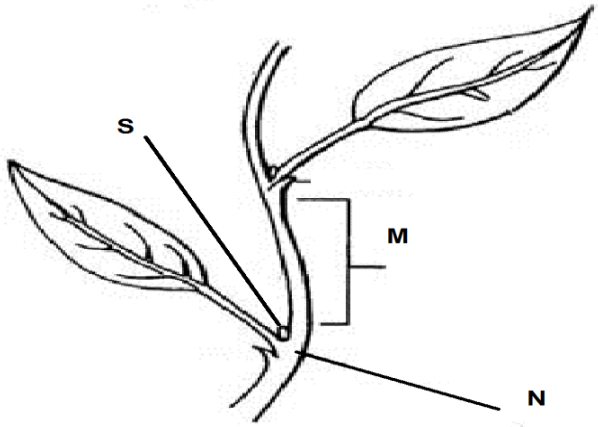
.....

40. Give one way in which mosses are similar to mushrooms in the way they reproduce.

.....

Section A

41. The diagram below is of a part of a stem. Study it carefully and answer the questions that follow.



a) Name the parts marked M and N.

M .....

N.....

b) How is part marked S important?

.....

c) Apart from holding other parts of a plant, state one other way stems are important to plants.

.....

42a) give any two ways coconut seeds are adapted to their dispersal.

.....

.....

b) State any two importance of seed dispersal to plants.

.....

.....

43a) Name two methods use in planting of seeds.

.....

.....

b) Name the type of propagation in which a part of a plant is planted and new plants develop from it.

.....\

d) Name the part of a banana plant used for propagation.

.....

44a) give any two economic values of plants.

.....

.....

b) Mention any two products from coniferous trees.

.....

.....

45 a) the diagram below shows a germination of a seed. Use it to answer the questions that follow.

a) Name the type of germination shown above.

.....

b) Where does the above seedling store its food used during germination?

.....

c) Give any one example of a plant with the above type of germination.

.....

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

.....

46a) apart from lack of conditions necessary for germination, give other two factors that can make a seed fail to germinate.

.....

.....

b) Give two activities done to seedlings during hardening off.

.....

.....

47a) what substance in plants helps them to make food?

.....

b) How is the feeding in ferns different from that of mushrooms?

.....

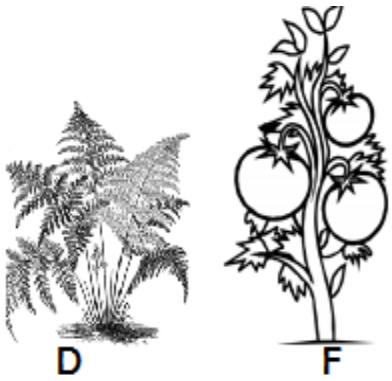
.....

c) Apart from ferns, give any two other plants which are similar to mushrooms in their way of reproduction.

.....

.....

48 a) The diagram below show different plants, study them carefully and answer the questions that follow.



(a) To what group of plants does the plant marked F belong?

.....

(b) How are the plants marked D and F different in the way they reproduce?

.....

(c)) name any two of plants which reproduce in the same way as plant marked D

i) .....

ii) .....

49. The lists below show adaptations for pollination of flowering plants.

A	B
The anthers are taller than the stigma	Anthers are shorter than the stigma
The flower remains closed until pollination takes place	They are single sexed
Their stamen and pistil mature at the same time	The stamen and pistil mature at different times

a) Name the type of pollination with adaptations marked A and B.

i) A .....

ii) B.....

b) How is pollination useful to plants?

.....

c) Name any two examples of plants which have the characteristics in list B.

.....

.....

50. Complete the table below by giving the difference between monocotyledons and dicotyledons.

Dicotyledons	Monocotyledons
They have tap root system	i)
ii)	Their leaves have parallel venation
They store their food in the cotyledon	iii)
iv)	They have parallel leaf venation

51 a) Name any two protective parts of a flower.

.....

.....

b) State what happens to pollen grains when they land on the stigma?

.....

d) Where does fertilization takes place in a flower?

.....

52 a) Name two factors that affect the rate of transpiration.

.....

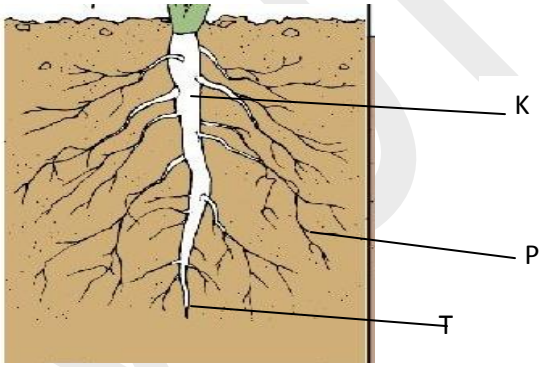
.....

b) State two ways plants control the rate of transpiration.

.....

.....

53a) The diagram below is of a part of the plant. Use it to answer the questions that follow.



a) Name the parts marked K and P.

K .....P.....

b) How is part marked T useful to the plant?

.....

c) Give one way roots are useful at home.

.....

54a) Name two types of underground stems.

.....

.....

b) What type of roots do underground stems have?

.....

d) Mention any one example of underground which store its food in leaves.
.....

55 a) name the parts of a leaf that:

i) Makes food for the plant
.....

ii) That supplies food to all parts of the plant.
.....

b) Which part of the leaf helps it to breathe?
.....

c) Name any one example of a plant that is propagated using leaves.
.....

END