



**THE NERDS EXAMINATION SERIES**

**P.7 EXAMINATIONS 2024 (SET 3)**

**INTEGRATED SCINCE**

Time allowed: 2hours 30minutes

INDEX NO.								
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CANDIDATE'S NAME

.....

CANDIDATE'S SIGNATURE .....DATE .....

SCHOOL'S EMIS NO.....

DISTRICT NAME .....

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY:**

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All workings **MUST** be done using **blue** or **black point pen** or fountain pen. Diagrams **MUST** be drawn in Pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot be easily read may lead to loss of marks
6. Do not fill in anything indicated for examiners use only and those inside the paper

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

**SECTION A (40 MARKS)**

1. Name any one factor that increases the **speed of light**.

.....

2. Give the reason why **rusting** does not take place if one factor is absent.

.....

3. Name one factor that promotes **life** on earth.

.....

4. Why is **personal hygiene** important to us?

.....

5. What is **air pollution**?

.....

6. Name the **force** that brings objects back to earth when thrown in air.

.....

7. Name any one **safety tool** that is essential to us during a **fire outbreak**.

.....

8. Name any one major **enzyme** found in the alimentary canals of **carnivores**.

.....

9. Name any one factor that promotes animal seed dispersal.

.....

10. In the space below draw a structure of incisor tooth. (Don't label)

11. What are **compound leaves**?

.....

12. Name any one contributor of **soil aeration**.

.....

13. What is meant by the term **lactation**?

.....

14. In which way is **castration** of cattle important to a cattle keeper?

.....

15. Who is **an adolescent**?

.....

15. How is a **community** important in preventing **anti-social behavior** among youths?

.....

16. What happens to **particles** when matter turns from **liquid state** to **gaseous state**?

.....

**Use the picture below and answer question 17 and 18**



17. How many **pairs of legs** does the above insect have?

.....

18. How is the above insect important to a **farmer**?

.....

19. What is meant by the term **demography**?

.....

20. What causes **malaria**?

.....

21. Which form of **energy** is gained by particles when heated?

.....

22. How is **iron** important to our body?

.....

23. Name any one example of **cereal crops**.

.....

24. Why is the government of Uganda fighting hard to protect **wetlands**?

.....

25. Why do plants have few **excretory organs** unlike animals?

.....

26. Apart from hearing, name any other function of a **human ear**.

.....

27. Why are **insects** more abundant on earth than any animals?

.....

28. State any one sign of **compound fracture**.

.....

29. How is a **fuse** important to any **electric system**?

.....

30. Why do **white clothes** take longer time to dry than **black clothes**?

.....

31. Name any one cause of **weathering** of rocks.

.....

32. Why is **recycling** of plastics important?

.....

33. What causes **mastitis** in cattle?

.....

34. Give any one reason why some seeds take long to **germinate**.

.....

35. What type of **electricity** is **lightning**?

.....

36. Name the **male reproductive cells** in humans.

.....

The diagram below shows two bar magnets placed near each other. Use it to answer question 37 and 38



37. Use the arrows to show what happens to the two bar magnets.

38. Name any one way of **weakening the strength** of **bar magnets**.

.....

39. In which part of **human kidney** does most reabsorption take place?

.....

40. Which **organs** are used by both humans and frogs for breathing?

.....

## SECTION B (60 MARKS)

41 a) Name any two ways of **storing sound**.

.....

.....

b) Name any two instruments used to reproduce sound stored by **solfa notation**.

.....

.....

42. Use the picture below to answer questions that follow.



a) Name the animal in the above picture.

.....

b) Name the common **disease** spread by the above animal.

.....

c) Name one way of preventing the disease named above.

.....

d) How is the above animal important to us?

.....

43. a) Match important body minerals with their functions.

Calcium	Formation of thyroid hormones
Iodine	Formation of hemoglobin
Magnesium	Formation of bones and teeth
Iron	Supports immune system

44. a) Give two reason why a **drug** may fail to cure its disease.

.....  
.....

b) List down any two examples of **drugs of dependence**.

.....  
.....

45. a) Give two possible ways through which a baby can get **HIV** from the mother.

.....  
.....  
b) Give any two substances **unborn baby** gets from the mother.

.....  
.....  
46. a) Define the following terms as used in poultry keeping:

i) Roaster

.....  
ii) Flyer

.....  
iii) Broilers

.....  
b) Name any one way of enhancing **meat production** in chicken.

.....  
47. a) Write down two causes of **soil erosion**.

.....  
b) Which agent of soil erosion causes **gullies**?

.....  
c) How does soil erosion lead to **soil infertility**?

.....  
48. a) Name two bones that form a **joint** at the knee of the human body.

.....  
b) What name is given to the **joint** at the knee?

.....

c) How is **friction** reduced at the joint?

.....

49. a) What is meant by the term **density**?

.....

b) Why does paraffin **settle on top** when mixed with water?

.....

c) Give any one way of **reducing density** of a substance.

.....

d) Name any one **practical application** of density.

.....

50.a) Name **blood vessels** that connect veins and arteries.

.....

b) Give any two adaptations of **arteries** to their function.

.....

.....

c) Name any one way of reducing **high blood pressure**.

.....

51. a) name **the type of crops** that are harvested year per year.

.....

b) Give three examples of above crops.

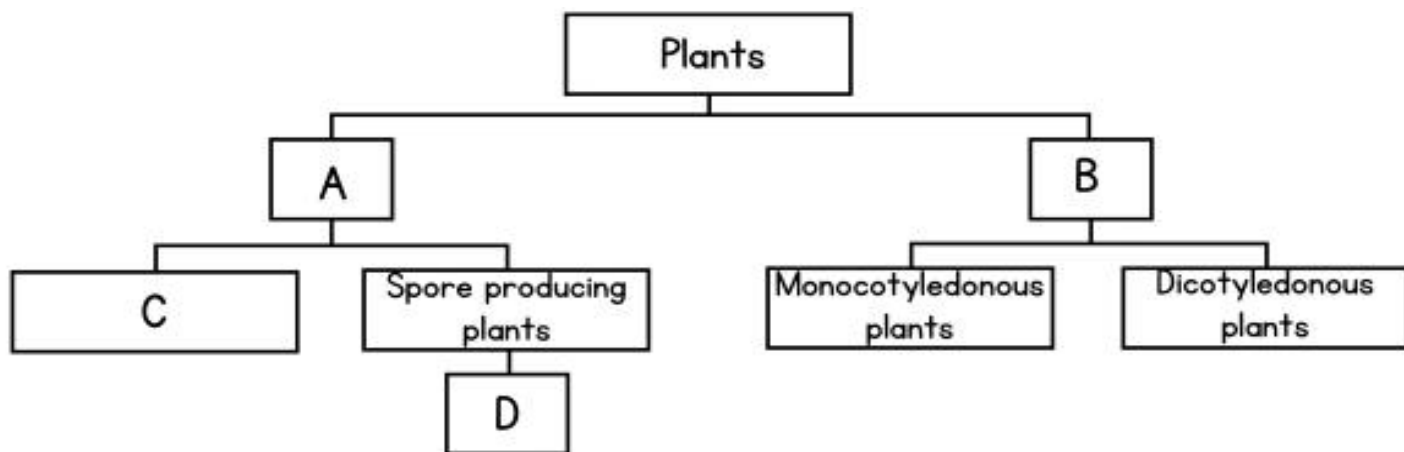
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52. The table below shows classification of plants.



a) Name the group of plants shown by the following letters

A.....

B.....

C.....

b) Name any one plant that belongs to the box labeled D

.....

53. a) Give two advantages of modern beehive.

.....  
 .....

b) Write down two things a **bee-keeper** should consider before setting up **beehives**.

.....  
 .....

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

.....  
 .....

b) Give two ways of improving the **production in sheep**.

.....  
.....  
55. List down four **sources of electricity**.

.....  
.....  
.....  
.....