



THE NERDS EXAMINATION SERIES

P.7 EXAMINATIONS 2024 (SET 2)

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 working 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. What is soil exhaustion?

.....

2. Name any one effect of drug addiction.

.....

3. Why is transpiration important to plants?

.....

4. What happens to mechanical advantage of a system if effort is increased?

.....

5. Which class of vertebrates does a monitor lizard belong?

.....

6. Why are electric wires loosely attached on electric poles during installation?

.....

7. Mention any one way of reducing the spread of tuberculosis.

.....

8. In the space provided, draw lunar eclipse.

9. What are primary colours?

.....

10. Name any one gaseous component of water cycle.

.....

11. Name any one example of contagious diseases.

.....

12. Why is crossbreeding important in cattle keeping?

.....

13. Why do stones fall back to the group when thrown in air?

.....

14. What is ball and socket joint?

.....

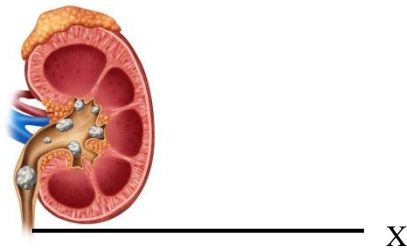
15. Name any one negative effect of population growth.

.....

16. Why is photosynthesis maximum during midday?

.....

Use the diagram below to answer question 17 and 18.



17. Name the part labeled X .....

18. Which system of the body does the above diagram belong?

.....

19. Name any one factor that affects the rate of digestion.

.....

20. Which form of feeding do mushrooms exhibit?

.....

21. Name any one characteristic of wind pollinated flowers.

.....

22. Name any one way in which dogs lose excess heat.

.....

23. Why does bathing reduce skin infections?

.....

24. Name any one behavioral mechanism exhibited by frogs to maintain their body temperature.

.....  
25. Give one example of exotic breeds of cows.

.....  
26. What is the scientific name given to drugs that treat bacterial infections?

.....  
27. State the law of magnetism.

.....  
28. Name any one feature of birds' bones that makes them adapted for flight.

.....  
29. What is formed after fertilization in mammals?

.....  
20. What are birds of prey?

.....  
31. Apart from lung cancer, name any other effect of smoking.

.....  
32. What enables objects to float on water?

.....  
33. Name the smallest bone in our body.

.....  
34. Name any one example of eye defect.

.....  
35. Why are most respiratory surfaces moist?

.....  
36. What is meant by the term castration?

.....  
37. Who is an infant?

.....  
38. Name any one factor that affects pitch of sound

.....  
37. Which type of soil erosion is common in deserts?

.....

Study the diagram below and answer question 39 and 40.

39. Which form of asexual reproduction is shown above?

.....

40. What are the challenges faced by farmers when using such form of asexual reproduction

.....

SECTION B ( 60 MARKS )

41a) How do trees contribute to rainfall formation?

.....

b) Which processes do plants use to clean air?

.....

c) Name any two benefits of plants to humans.

.....

.....

42 a) what is a physical exercise?

.....

b) Mention any two benefits of carrying out sports competitions within a school.

.....

.....

c) Why is it advisable to eat glucose before and after running?

.....

43 a) What is immunity?

.....

b) Which type of blood cells contributes to body defense system?

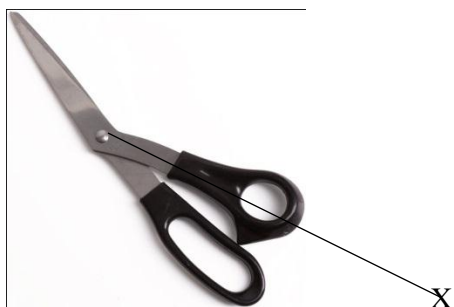
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c) Give two ways of improving body's immune system.

.....

.....

44. Study the diagram below and answer questions that follow



a) Name the part labeled X

.....

b) Which class lever does the above diagram belong?

.....

b) Give two ways of improving work rate of the above machine

45. a) Match the following

Cell division	Fungi
Vegetative propagation	Hydra
Spore formation	Bacteria
Budding	Cassava

46. Give the meaning of the following terms

a) Crop rotation

.....

b) Mixed cropping

.....

c) Plant spacing

.....

d) Top dressing

.....

47. a) Give to ways in which skeletal system is important to humans.

.....

.....

b) Give two ways of improving the performance of bones.

.....  
.....  
48 a) Which class of vertebrates do snakes belong?

.....  
b) What is the scientific name given to a poisonous substance released by snakes?

.....  
c) Give any one way of preventing snakes around your home.

.....  
d) How are snakes important to us?

.....  
49 a) what is soil profile?

.....  
b) Name any two ways in which soil is important to us.

.....  
c) Name any one way of improving soil fertility.

.....  
50. a)What is volume?

.....  
b) Which units is volume measured?

.....  
c) Name one way of enhancing accuracy of measurements.

.....  
d) Why are measurements important?

.....  
51. a)What is the difference between swarming and swimming?

.....  
b) State one way in which each of the above mentioned terms is important.

52.a) What is refraction of light?

.....

b) What causes refraction of light?

.....

c) How is sunlight important to germinating seeds?

.....

d) Apart from sun, name any other one source of light.

.....

53.a) What is meant by the term excretion?

.....

b) How is excretion important to our body?

.....

c) Mention any two excretory products in our body.

.....

54. What is the scientific name given to death caused by electricity?

.....

b) Which form of current is so dangerous to humans when in close proximity?

.....

c) How is electricity produced in dry cells?

.....

d) Name any one use of electricity in our schools.

.....

55 a) What is meant by the term classification?

.....

b) Name any two classes of insects.

.....

.....

c) Name any one example of winged insects

.....



THE END