

SMART STAR EXAMINATIONS BOARD
PRIMARY SEVEN PRE – MOCK EXAMINATION SET ONE

2024

INTEGRATED SCIENCE

Time allowed : 2 hours 15 minutes

EMIS No.						Personal No.		

Pupil's Name

School Name.....

Read the following instructions carefully;

1. This paper has **two** sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions.
2. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
3. All working must be done using a **blue** or **black** ball-point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.
4. Unnecessary **changes** of work and any handwriting that cannot easily be read may lead to **loss of marks**.
5. Do **not** fill anything in the boxes indicated: **“For Examiners’ Use Only”** and boxes inside the question paper.

FOR EXAMINERS’ USE ONLY

QN. NO.	MARK	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: 40MARKS

Questions **1** to **40** carry **one mark** each

1. Name the body organ protected by the skull.

.....

2. Give one product made from bee wax.

.....

3. Mention any one natural method of family planning.

.....

4. Give the use of splints in administration of first aid to casualties.

.....

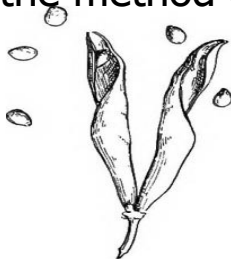
5. Name the blood vessel that transports digested food from the ileum to the liver.

.....

6. Why do we Iron our uniforms at school?

.....

7. Name the method of seed dispersal shown below.



.....

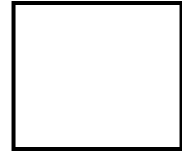
8. Identify any one seed which is dispersed as shown above.

.....

9. Why is loam soil regarded as the best soil for growing crops?

.....

10. Which type of cattle is used to provide labour on farms?



11. Give any one raw material for photosynthesis.

12. What are poultry vices?

13. In which direction does a freely suspended magnet rest?

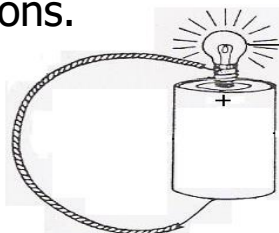
14. Which class of food is got from eating mangoes?

15. Give any one example of a root tuber.

16. Mention any one long bone in the upper limb.

17. Name the non metallic conductor of electricity found in a dry cell.

18. The diagram below shows a simple electric circuit. Put an arrow to show the flow of electrons.



19. State the form of energy produced by the working dry cell.
.....

20. Apart from hearing, give another function of the human ear.
.....



21. Give the role of a queen bee in the in the hive.
.....

22. Mention any one example of a magnetic material.
.....

23. How does a millipede protect itself from danger?
.....

24. Give any one vaccine administered to babies at birth.
.....

25. Identify the type of tooth shown below in the diagram.



26. Give any one example of an arachnid.
.....

27. In which part of human body are red blood cells manufactured?
.....

28. State the importance of grit in the digestive system of a bird.

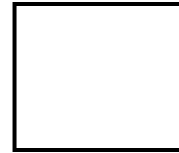
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29. Name the gas present in tobacco smoke.

.....

30. Write down the vector that spreads elephantiasis to people.

.....



31. How does rural electrification help to conserve the environment?

.....

32. Why is it hard to separate pins mixed with iron filings using magnet?

.....

33. Which part of an insect helps it to balance during flight?

.....

34. Name the female part of a flower.

.....

35. Give any one example of a biological change in insects.

.....

36. Where does absorption of digested food take place in alimentary canal?

.....

Turn Over

37. Give any one element of Primary Health care.

.....

38. Why is it good for farmers to harvest their grains during dry season?

.....

39. Write HIV in full.

.....

40. Convert 100°C to $^{\circ}\text{F}$.

.....



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41a) Give any two ecto parasites in cattle.

i)

ii)

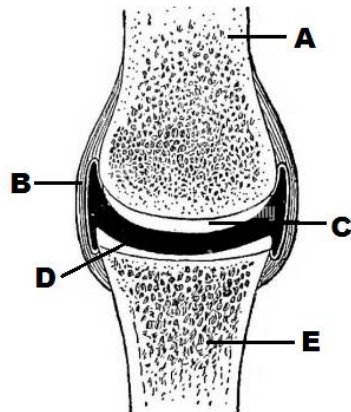
b) Mention any one tick borne disease that attack cattle.

.....

c) Why is paddock grazing not practiced in urban areas?

.....

42. The diagram below shows a joint in the human body. Use it to answer the questions that follow.



a) Name the parts marked A and B.

A..... B.....

b) Give the function of part D in the joint.

.....

c) What type of joint is shown in the above diagram?

.....

43a) What is soil erosion?

Turn Over

.....

.....

b) Give any two effects of soil erosion.

i)

ii)

c) How can soil erosion be controlled in hilly areas?

.....



44a) What are annual crops?

.....

.....

b) Give one example of a perennial crop.

.....

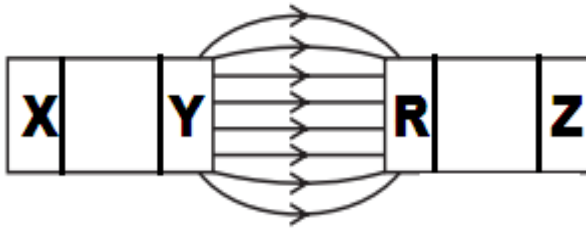
c) What part of an Irish potato crop is eaten by people?

.....

d) State one way farmers care for crops.

.....

45. The diagram below shows two bar magnets attracting each other.
Study it carefully and answer questions that follow.



a) Identify the poles marked Y and R.

Y.....

R.....

b) State any two properties of magnets.

i)

ii)

46a) Give any two examples of non flowering plants.

i)

ii)

b) State two ways how non flowering plants reproduce.

i)

ii)



47a) Give any two diseases of the digestive system.

i)

ii)

Turn Over

b) Write any two habits that promote proper functioning of the digestive system.

i)

ii)

48. **Match correctly.**

A

B

i) The sun

- Thermal electricity

ii) Fast flowing water

- Atonic electricity

iii) Uranium

- Hydro electricity

iv) Fossil fuels

- solar electricity

i) The sun

.....

ii) Fast flowing water

.....

iii) Uranium

.....

iv) Fossil fuels

.....

49a) Give one example of thermometric liquid.

.....

b) Mention any one area where a clinical thermometer can be placed when checking for temperatures.

.....

c) Why do doctors usually shake a clinical thermometer before using it to the next person?

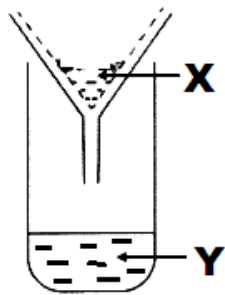
.....

d) Why is mercury easily seen through a thermometer glass?

.....



50. The diagram below shows a method of separating mixtures.



a) Name the method shown above.

.....

b) Name the substances labelled X and Y.

.....

c) Give a reason why water collected in above is not good for drinking.

.....

51a) What is seed germination?

.....

.....

b) Identify the type of germination in each of the following seeds;

i) maize :

.....

ii) beans:

.....

c) State the use of oxygen during germination.

.....

52a) Give any two structural differences between veins and arteries.

i)

ii)

b) Name the artery that carries deoxygenated blood to the lungs.

.....

c) Apart from blood vessels, give another component of the circulatory system.

.....



53a) State the meaning of the term matter.

.....

b) Give one state of matter.

.....

c) How is heat transfer by radiation important to crop farmers?

.....

54a) How do birds reproduce?

.....

b) Give one example of a flightless bird.

.....

c) Give any one advantage of birds in our environment.

.....

d) In which one way can birds be a disadvantage in our environment?

.....

55a) Write down any two human activities that can cause change in the environment.

i)

ii)

b) Give any two ways of managing weather in the environment.

i)

ii)

