

**BISHOP DDUNGU BOARDING PRIMARY SCHOOL
AND VICTORY LEARNING CENTRE PRIMARY SEVEN
JOINT EXAMINATION SET 1 2022**

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

RANDOM NO						PERSONAL NO		

Candidate's School Name: _____

Candidate's Name: _____

Candidate's Signature: _____

District: _____

Read the following instructions carefully:

1. This paper is made of two Sections A and B
2. Answers to both sections must be written in the spaces provided in full sentences
3. Section **A** has **40** questions (40 marks)
4. Section **B** has **15** questions (60 marks)
5. Attempt all questions. All answers to both Section **A** and **B** must written in the spaces provided.
6. All answers must be written in blue or black ball point Pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
7. Crossing out of answers will lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

EXAMINER'S GUIDE

Qn. No	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		



SECTION A:

1. Name any one fungus found in our environment.

2. Give any one type of breeds of rabbits.

3. State any one importance of echoes.

4. Why do living things respire?

5. Give one advantage of using Ecosan toilets over flush toilets.

6. Write any one activity of a school health club.

7. State any one effect of diseases on tuber crops.

8. What causes peptic ulcers?

9. Identify any one danger of teenage pregnancy.

10. Give any one way of conserving animal resources.

11. How does regular weeding control crop pests?

12. Which body organ is responsible for making harmful materials harmless?

13. How do clouds lead to change in temperature in the environment?

44. Name any **one** natural magnet.

b) Why can't copper be used to make magnets?

c) Identify **one** method of making magnets by stroking.

d) Why do we use a temporary magnet in an electric bell?

45. The diagram below shows a method of milking. Use it to answer questions that follow.



a) Identify the method of milking shown above.

b) Give **one** disadvantage of the method shown above.

c) State any **two** ways of ensuring cleanliness of milk obtained using the above method.

i) _____

ii) _____

46. a) Name any **two** life skills that can safe guard one against alcoholism.

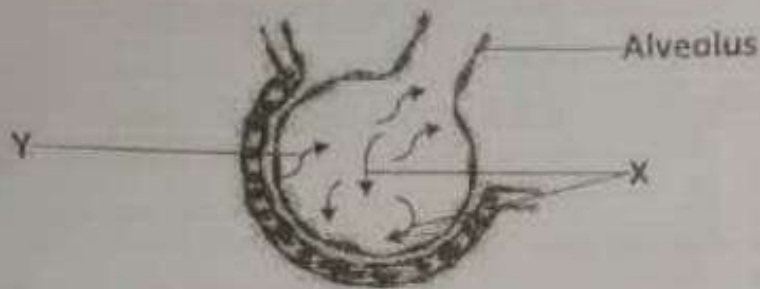
(i) _____

(ii) _____

b) Which type of alcohol is used for making sanitizers?

c) Give **one** way messages against alcoholism can be passed to reach the youth.

The diagram below shows gaseous exchange in the air sac. Use it to answer question 33 and 34.



33. Identify the gas represented by the arrows marked **X** above.

34. By what process does gas **Y** enter into the air sac?

35. State any **one** safety precaution in handling electricity.

36. Give **one** way animals depend on non-living things.

37. How is bottle feeding a disadvantage to the family?

38. Name any **one** skill pupils can get from a school rabbit keeping project.

39. Write any **one** type of energy.

The diagram below is of a vector. Use it to answer question 40.



40. How does the above vector transmit diseases to people?

The diagram below shows a casualty being given first aid. Use it to answer questions 14 and 15



4. Identify the accident that is being managed above.

5. How does the above first aid help a person who has got the accident named above?

6. Name any **one** physical change in plants.

7. State **one** importance of child spacing to a family.

8. Identify any **one** water impurity that can be removed by decanting.

9. Give any **one** part of the human body where flat bones are found.

10. Write the meaning of lopping in tree growing.

11. Name **one** disorder of the circulatory system.

12. Which feature of a humming bird enables it to suck nectar from flowers?

13. Write the common vector that produces already hatched eggs.

24. State the component of Oral Rehydration solution in which the other components dissolve.

25. Name the gas produced by a burning candle.

The diagram below shows a girl and a boy on either side of a stone.

Use it to answer question 26 and 27.



26. Why is the girl above unable to see the boy on the other side of the stone?

27. Identify the optical instrument the above girl can use to see the boy over the stone.

28. Why should people keep record of things used at home?

29. Give **one** way people can make use of non-biodegradable wastes in the environment.

30. State any **one** sign or symptom of meningitis.

31. Identify any **one** factor that can lead to drug abuse.

32. How are first class levers different from third class levers?

SECTION B

41. Name any **one** component of soil besides humus.

b) Why is there much more humus in top soil than in other soil layers?

c) State the importance of humus in the soil.

d) Identify **one** crop growing practice that increases the amount of humus in soil.

42. How are the following elements of PHC important to a community?

i. Health education.

ii. Family planning.

b) Write any **two** responsibilities of the community in promoting PHC.

(i)

(ii)

43. Which type of digestion is carried out by enzymes?

b) Name the digestive juice that breaks down fats into tiny droplets in the duodenum.

c) Why are fats not digested in the stomach?

d) Write the substance in the stomach that kills germs in the food we eat.

47. Write **one** characteristic of bacteria.

b) State **two** conditions needed by bacteria to multiply.

(i) _____

(ii) _____

c) Identify any **one** human activity that is supported by bacteria.

48. a) Name **two** examples of round worms that attack people.

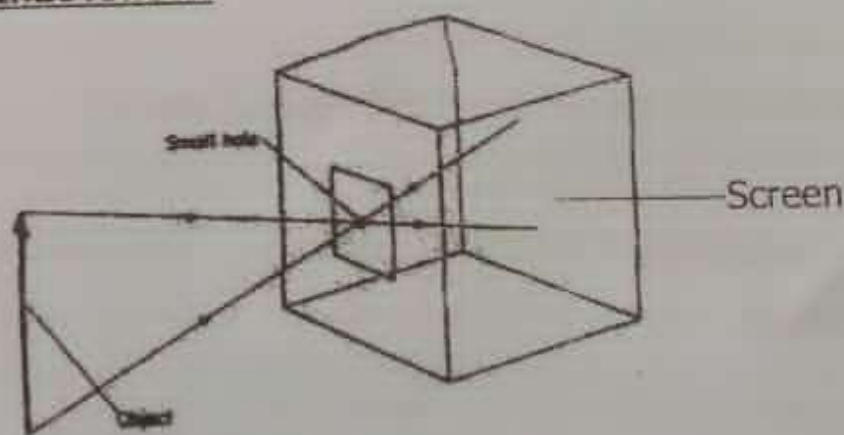
(i) _____

(ii) _____

b) Write **one** symptom of worm infestation.

c) Besides eating fully cooked meat, how else can worm infestation be prevented?

49. **The diagram below shows a pinhole camera. Use it to answer questions that follow.**



a) Draw an image of the object above on the screen.

b) Write any **one** characteristic of the image you have drawn.

c) What kind of materials are suitable for making the screen of the above camera?

d) State **one** factor that can affect the quality of the image formed on the pinhole camera, screen.

50. Give the meaning of each of the following.

(i) Ectopic pregnancy.

(ii) Miscarriage.

b) How are the following important to the foetus;

(i) Placenta.

(ii) Amniotic fluid.

51. Match vaccines to the diseases they prevent correctly.

- a) Sabin vaccine
- b) HPV vaccine
- c) DPT vaccine
- d) PCV vaccine

- whooping cough
- polio
- pneumonia
- cervical cancer

- a) Sabin vaccine
- b) HPV vaccine
- c) DPT vaccine
- d) PCV vaccine

52. What are involuntary muscles?

b) Give **one** example of skeletal muscles.

c) How are muscles useful in the human body?

d) Identify **one** injury that might affect the proper functioning of the skeletal system.

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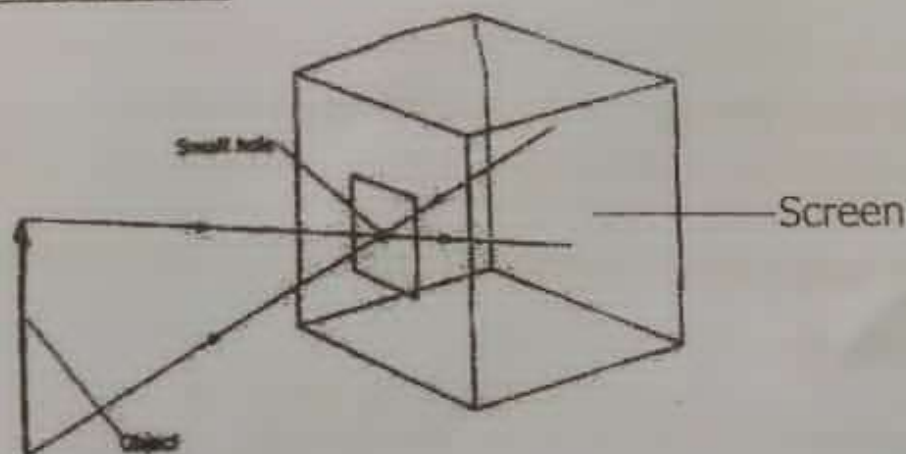
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d) State **one** factor that can affect the quality of the image formed on the pinhole camera, screen.

53. Identify any **two** features that you can use to tell the food birds feed on.

- (i) _____
(ii) _____

b) How are wading birds different from swimming birds?

c) State any **one** danger of birds in the environment.

54. a) Give **one** way cooked food gets contaminated.

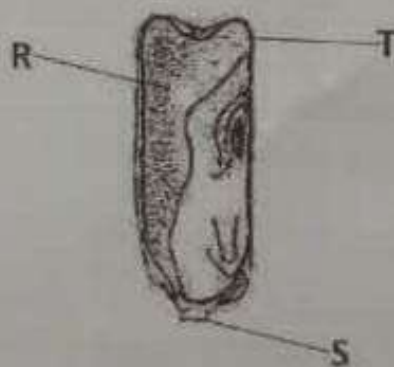
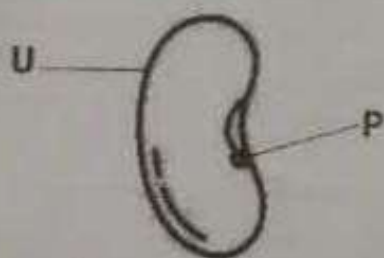
b) Write **two** ways of preventing food contamination at home.

(i) _____

(ii) _____

c) Why are children discouraged from eating dirty food?

55. **The diagram below is of a bean seed and a maize grain. Use it to answer the questions that follow.**



a) Identify the parts marked **P** and **R**.

P: _____

R: _____

b) How is part **U** on a bean seed similar to part **T** on a maize grain?

c) Use an arrow **W** to show the part of a bean seed that has a similar function as part **S** on the maize grain.