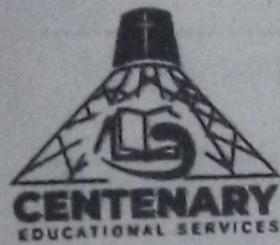


CENTENARY EDUCATIONAL CONSULT

P.L.E PREPARATION - 2024



PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No:

Random No.

Personal No.

Candidate's Name:

School Name:

School Emis No:

Candidate's Signature:

Read the following instructions carefully:

1. Section A has 40 questions (40 marks)
2. Section B has 15 question (60 marks)

Attempt **ALL** questions.

All answers to both sections A and B

must be written in the spaces provided.

3. All answers **MUST** be written using blue or black ball – point pen or ink. Diagrams should be drawn in pencil.

4. Unnecessary **changes** of work may lead to **loss** of marks.

5. Any handwriting that cannot easily be read may lead to **loss** of marks.

6. Do not fill anything in the boxes indicated

"**For examiner's use only**".

FOR EXAMINERS'
USE ONLY

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

SECTION A: (40 MARKS)

1. Write any one way beasts of burden are important to farmers.

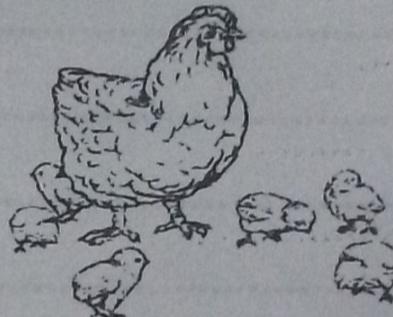
2. Name the natural process that enables insects to grow.

3. How do organisms like earthworms benefit from the soil?

4. Name the type of human tooth with a shape of a chisel.

5. Which method of making alcohol involves the action of enzyme zymase?

Study the diagram below carefully and use it to answer question 6 and 7



6. Name the type of brooding shown above.

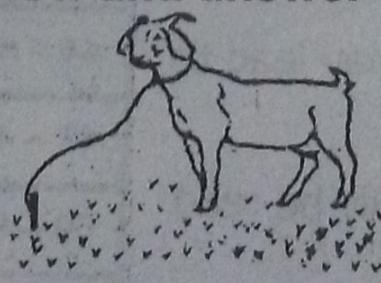
7. Write any one disadvantage of using the above type of brooding.

8. Write any one reason why ash is commonly used in ECOSAN latrines.

9. How do iron keepers preserve magnetism in permanent magnets?

10. Give one way in which teenage pregnancy is a danger to an adolescent.

Study the diagram below and answer questions 11 and 12.

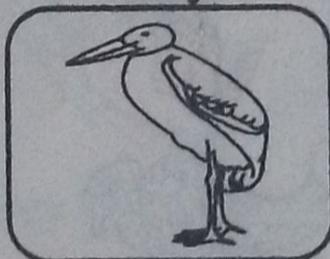


11. Name the method of grazing goats shown above.

12. Write any one problem associated with the above system of keeping goats.

13. Write the functional difference between a door and ventilators on a living house.
14. Give the group of vertebrates to which a gecko belongs.
15. Where in the reproductive system of a rabbit does conception take place?
16. Give any one factor considered when selecting a suitable place for an apiary.
17. Name the structure that connects a developing foetus to the placenta.
18. How do plants benefit from the process of osmosis?
19. Name the type of reflection that is formed when sunlight falls on a broken mirror.
20. Mention the body organ that is responsible for emulsification of fats.

Study the diagram below carefully and answer questions 21 and 22.



21. To which group does the above bird belong?
22. Of what importance is the bird above to the environment?
23. Name any one cause of poultry vices.
24. Why do people put on heavy clothes during rainy weather?
25. How can hard water be made soft locally?
26. Mention the disease of the liver that is caused by excessive consumption of alcohol.
27. State any one characteristic of essential drugs.

28. Name the part of the human body that is affected by otalgia.
29. Give a reason why permanent magnets are not used in electric bells.
30. Give one example of a person with special needs in our community.
31. What do you understand by "a pitch of a screw"?
32. State any one importance of a tongue in the process of digestion.
33. Write the reason why sheep farmers dock their ewes.
34. Give any one application of heat transferred by conduction in our daily life.
35. Write down any one way of controlling diseases at school without using chemicals.

Study the diagram below and use it to answer questions 36 and 37.



36. How is the above plant adapted to climbing other plants?
37. Apart from the adaptation given above, give any other way how climbing plants are adapted to their habit.
38. In what way are reptiles important to leather industries?
39. Which tough membrane in the eyes of birds enables them to overcome strong blowing wind during flight?
40. Name the form of energy that is produced by an electric bell when in use.

SECTION B: (60 MARKS)

41. (a) Mention any two internal worms that attack people.

(i)

(ii)

(b) Give two ways how internal worms can be prevented.

(i)

(ii)

42. (a) Write PHC in full.

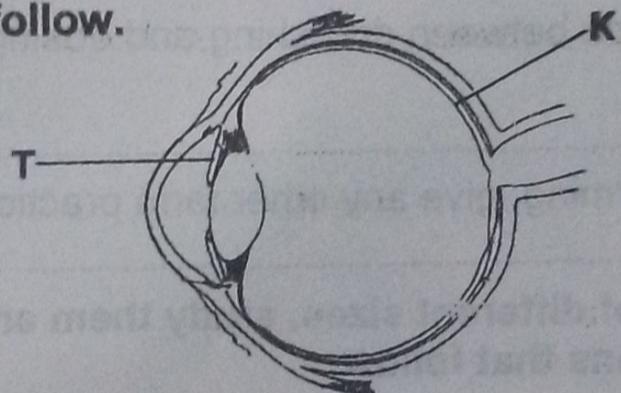
(b) Which element of PHC helps in the control of,

(i) over population

(ii) deficiency diseases

(c) Give any one principle of PHC.

43. The diagram below is of a sense organ, use it to answer the questions that follow.



(a) Name the form of energy that stimulates the working of the above organ.

(b) Name the part marked T.

(c) Using an arrow and letter P, show the part where images are formed.

(d) Give any one characteristic of images formed by the above optical instrument.

44. (a) What are health concerns?

(b) Give any two examples of health concerns in our communities.

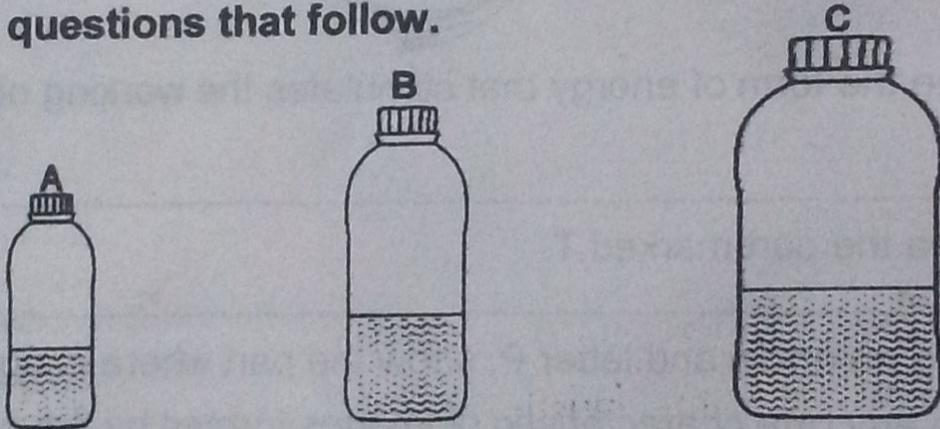
(i)

(ii)

(c) State any one way how health concerns are addressed.

45. (a) Explain how charcoal is obtained in the environment.
- (b) By what process does heat move from one log of wood to another during formation of charcoal.
- (c) How is the use of charcoal for cooking a threat to forestry department?
- (d) Apart from charcoal, give any other example of wood fuel.
46. (a) State the method of grazing cattle where a temporary fence carrying current is used.
- (b) Give a reason why the above system is not commonly used by farmers.
- (c) State the difference between drenching and dosing as practices in a cattle farming.
- (d) Apart from deworming, give any other farm practice in a cattle farm.

47. Below are bottles of different sizes, study them and use them to answer the questions that follow.

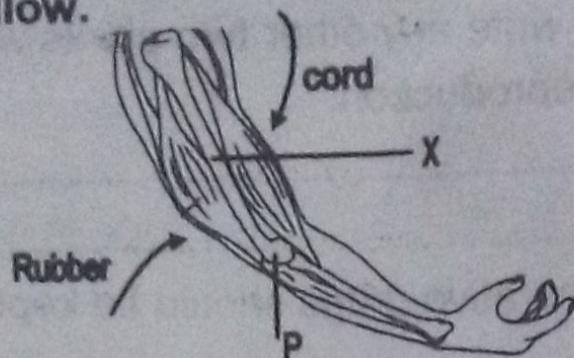


- (a) Which bottle will produce?
- (i) The highest pitch of sound
- (ii) The lowest pitch of sound
- (b) How do birds produce sound?
- (c) Mention any one notation method of storing music.

48. (a) Name the pigment in plants that enables them to make their own food.

- (b) How are mosses similar to toadstools in terms of reproduction?
- (c) Apart from mosses, write any other two plants which are similar to toadstools in terms of reproduction.
- (i)
- (ii)
49. (a) Give a reason why curative drugs should be kept;
- (i) away from moisture and direct sunlight
- (ii) out of reach of children
- (b) Write any two dangers of drug misuse.
- (i)
- (ii)
50. The table below shows different groups of animals. Use it to answer the following questions.
- | P | M | O |
|-------------------------|-----------------------|----------------------------|
| Penguin
Dove
Ibis | Goat
Dog
Rabbit | Toad
Newt
Salamander |
- (a) Under what group of vertebrates do we find animals in groups?
- (i) P
- (ii) O
- (b) State any one characteristic of animals in group M.
- (c) State any one way in which animals in group P are similar to those in group M.
51. (a) What happens to volume and mass of water when frozen?
- (i) Mass
- (ii) Volume
- (b) State any two effects of heat on matter.
- (i)
- (ii)

52. Below is a model of the human arm. Use it carefully to answer the questions that follow.



(a) Name the muscles represented by the following on our bodies.

(i) cord.....

(ii) rubber.....

(b) Name the bone represented by X.

(c) Which joint is formed at point P?

53. (a) Give a reason why stealing is regarded as an antisocial behavior.

(b) Write any two examples of anti-social behaviors in our communities.

(i).....

(ii).....

(c) Mention any one cause of anti-social behaviors in our communities.

54. (a) Name the physical process that leads to the formation of clouds.

(b) State the role of the following in the formation of rain.

(i) The sun

(ii) Water body

(c) Write any one human activity that reduces chances of receiving rainfall in an area.

55. In four sentences, describe how convectional rainfall is formed.

(i).....

(ii).....

(iii).....

(iv).....

THE END