



# THE SPECTRUM EXAMINATIONS HUB

## TEACHERS' INTERVIEW

**SUBJECT: INTEGRATED SCIENCE**

**SECTION: LOWER PRIMARY**

*Time: 2 hours*

**DATE** \_\_\_\_\_

**TEACHER'S CODE** \_\_\_\_\_ **TEL.** \_\_\_\_\_

### **FOR EXAMINER'S USE ONLY**

SECTION	SCORE	HEAD OF DEPT'S COMMENT
<b>A</b>		
<b>B</b>		
<b>TOTAL</b>		

### **Read the following instructions carefully:**

1. The paper is made up of section **A** and **B**.
2. Section **A** has **40** short answer questions (**40** marks).
3. Section **B** has **15** questions (**60** marks).
4. Answer ALL questions. All answers to both section **A** and **B** must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.

## **SECTION A. (40 Marks)**

1. Name type of soil which retains water for a long time.

.....

2. How is a switch important to a cow?

.....

3. Which body system is affected by HIV/AIDS?

.....

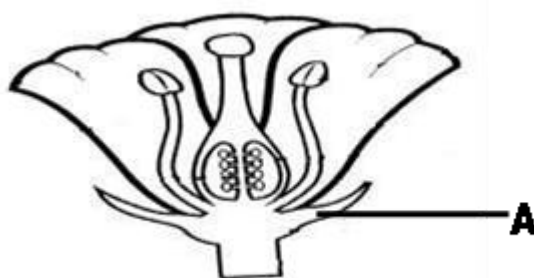
4. Name the component of soil that supports photosynthesis.

.....

5. Identify any **one** harmful insect to people.

.....

**Use the diagram of a flower below to answer questions 6 and 7.**



6. Name the part of the flower marked **A**.

.....

7. Why is part **A** of most insect pollinated flowers brightly coloured?

.....

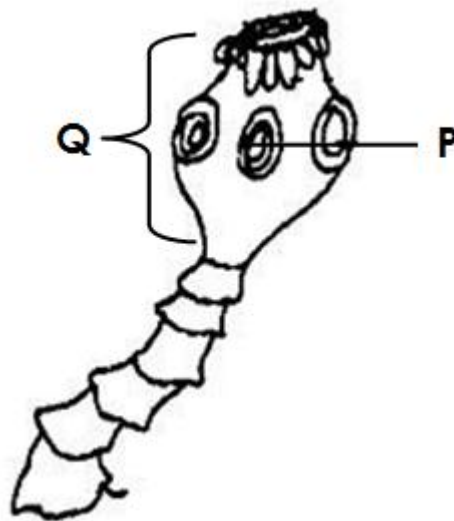
8. Apart from the conditions necessary for germination, what else may fail a seed to germinate?

.....

9. Why does a worker bee bite other animals?

.....

**The diagram below shows an intestinal worm. Use it to answer questions 10 and 11.**



10. Name the part marked **Q**.

.....

11. How is part marked **P** useful to the above intestinal worm?

.....

12. Give any **one** factor that makes bees to move from one hive to another.

.....

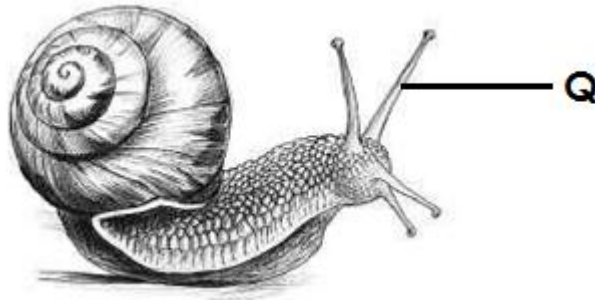
13. Give any one factor which affects the rate of transpiration in plants.

.....

14. How does a frog move from one place to another when on land?  
.....
15. Mention any one sign of ear canker in domestic rabbits.  
.....
16. State any one way in which regular taking of marijuana has affected the health of some youths.  
.....
17. Apart from protection, mention any one other reason why living things make sound.  
.....
18. State any one reason why cinema halls are covered with soft porous materials.  
.....
19. How can primary school children prevent contracting **AIDS**?  
.....
20. Which part of a plant is affected by leaching?  
.....
21. How is sugar in **ORS** important to a dehydrated person?  
.....
22. How do crop farmers reduce the rate of transpiration when planting banana suckers?  
.....
23. Which type of manure is got from rotten legumes?  
.....
24. State the immunisable disease which affects the human limbs.  
.....

25. Which method of heat transfer helps a smoker to light cigarette?  
.....
26. Give any one characteristic of essential drugs.  
.....
27. Why do farmers commonly harvest their crops in dry season?  
.....
28. Name the alloy used to fill holes in the tooth.  
.....

**Use the diagram below to answer questions 29 and 30.**



29. Name part marked **Q** on the diagram above.  
.....
30. How is part **Q** important to the above organism?  
.....
31. How does calcium chloride make water safe for drinking?  
.....
32. Mention any one process caused by the action of bacteria in the environment.  
.....
33. How is a canine tooth adapted to its function of tearing food?  
.....

34. Which type of pollination takes place in flowers of maize plants?  
.....
35. How do toadstools reproduce in the environment?  
.....
36. State the reason why swimming birds have spoon shaped beaks.  
.....
37. Why are electric wires left sagging loosely between poles during construction?  
.....
38. Give any one sustainable way of using resources in the environment.  
.....
39. Why is distilled water not recommended for drinking?  
.....
40. Which element of **PHC** helps in the control of drug abuse and addiction?  
.....

**SECTION: B.**

- 41.(a) What is a first aid box?  
.....
- (b) Identify any one component of the first aid box.  
.....
- (c) Give any one quality of a good first aider.  
.....

(d) State any one reason why first aid is given to the injured people.

.....

42.(a) Give any one way through which the government has tried to reduce infant mortality rate.

.....

(b) Mention any one example of a natural family planning method.

.....

(c) State any two permanent methods of family planning.

(i) .....

(ii) .....

43.(a) Give any one way of storing sound.

.....

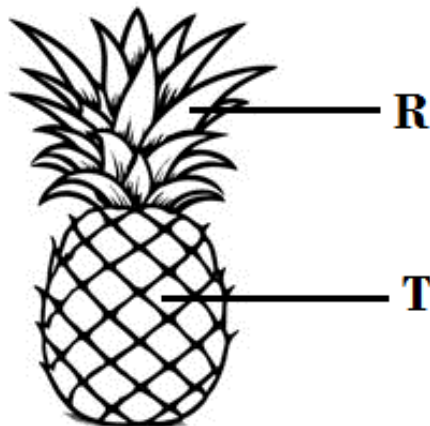
(b) Name any one device used for storing sound.

.....

(c) State any two ways in which sound energy can be reproduced.

.....

**44. The diagram below shows a fruit crop. Study it and then answer the questions that follow.**



(a) Name the part marked **R**.

.....

(b) State any one way in which part marked **T** is important to beverage industries.

.....

(d) Give any one way in which the fruit crop above can be propagated.

.....

(e) Name any one other crop that can be propagated in the same way as the fruit crop above.

.....

45. (a) Write the **3Ds** in full.

.....

(b) Give any one cause of dehydration in babies.

.....

(c) Apart from sunken eyes, identify any one other sign of dehydration.

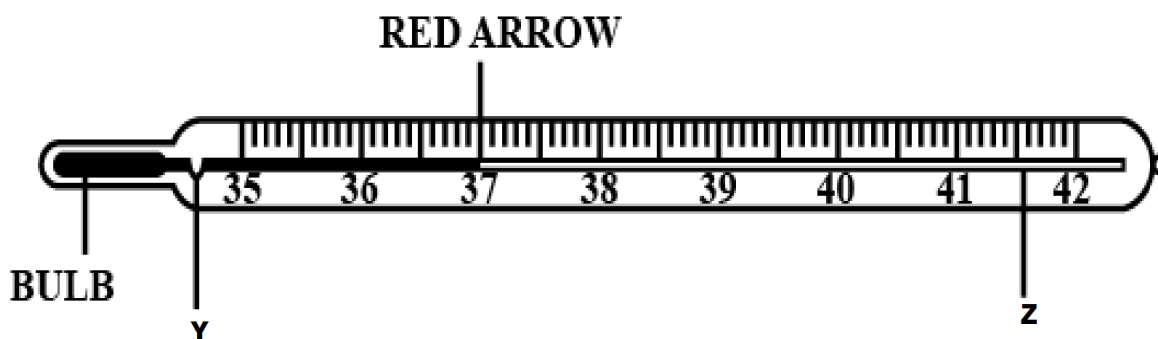
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(d) Which material in the **ORS** replaces the energy lost in dehydrated patient?

.....



46. Below is a diagram of a clinical thermometer, use it to answer the questions below.



- (a) Name part marked **Z**.  
.....
- (b) What is the importance of part marked **Y** on the thermometer?  
.....
- (c) What effect of heat on matter enables the above instrument to function?  
.....
- (d) Why is the above thermometer marked only from **35°C** to **42°C**?  
.....
47. (a) What is a balanced diet?  
.....
- (b) State any two importance of eating a balanced diet.
- (i) .....
- (ii) .....
- (c) Mention the deficiency disease that is characterized by bleeding, weakness and fatigue.  
.....

48. (a) How are the following body organs useful to people?
- (i) The heart.....
- (ii) The tongue.....
- (b) Which part of the skeleton protects the brain?
- .....
- (c) How should we keep human body organs in good health conditions?
- .....

**49. Study the diagram below and answer the questions which follow.**



- (a) Name the part marked **T**.
- .....
- (b) What is the importance of part marked **S** to the mushroom?
- .....
- (c) Identify any two values of mushrooms to people.
- (i) .....
- (ii) .....

50. Digestion is the process by which food is broken down into simpler forms which can be absorbed into the blood stream.
- (a) Where in humans does digestion of cooked starch start from?  
.....
- (b) In which part of the alimentary canal does digestion end?  
.....
- (c) State any **one** process which takes place in the ileum.  
.....
- (d) How can you prevent constipation in people?  
.....
51. **The diagram below shows an item used in maintaining personal hygiene. Use it to answer questions that follow.**



- (a) Name the item shown above.  
.....
- (b) Give **two** ways a P.2 child uses the item above to promote personal hygiene.
- (i) .....
- (ii) .....

(c) State any **one** reason why we need to bathe regularly.

.....

52. (a) Briefly explain the term social insects.

.....

(b) Give any **two** social insects common in our environment.

(i) .....

(ii) .....

(c) How are insects useful in our environment?

.....

53. (a) Apart from weeding, mention other **two** ways of caring for crops in the garden.

(i) .....

(ii) .....

(b) How do farmers control weeds in their gardens?

.....

(c) Give any **one** method used in harvesting crops.

.....

54. (a) What is weather?

.....

.....

(b) State the use of ceilometer as a weather instrument.

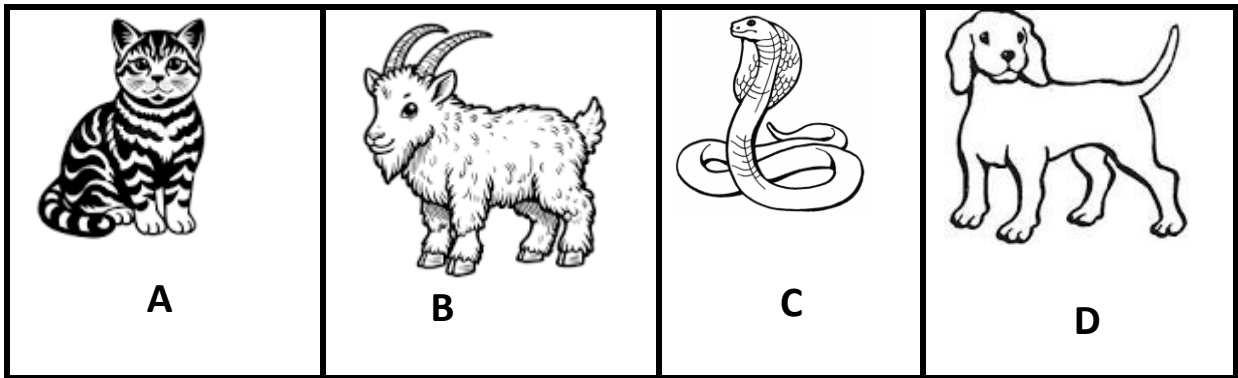
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(c) Give two ways of managing rainy weather.

(i) .....

(ii) .....

55. The diagram below shows animals found in our environment. Use it to answer the questions below.



(a) Name animals marked **B** and **C**.

(i) B.....

(ii) C.....

(b) How are animals **A** and **D** useful to man?

(i) A.....

(ii) D.....

**END.**