



# ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

GRADE SEVEN EXAMINATION, SPECIMEN PAPER.

## AGRICULTURE, SCIENCE AND TECHNOLOGY 703/1 PAPER 1

SPECIMEN PAPER

Time: 1 hour 45 minutes

### INSTRUCTIONS TO CANDIDATES

1. Read **all** the instructions carefully.
2. Do **not** open this booklet until you are told to do so by the invigilator.
3. Use **only** an HB pencil for all entries on the answer sheet.
4. When you are told to start choose **one** correct answer from the suggested answers and shade it **very dark**.
5. If you wish to change your answer, **erase** it **completely** with a pencil rubber and then shade the new choice.
6. If **more** than **one** letter is shaded for any one answer, that answer will be regarded as **wrong**.
7. If you **do not** understand the instructions ask the invigilator to explain them to you **before** you start.
8. Answer **all** the questions on the separate answer sheet provided.

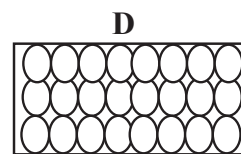
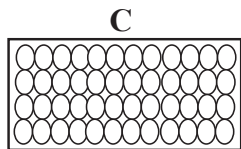
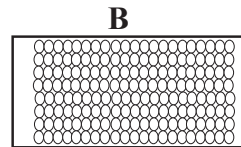
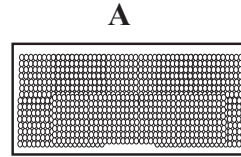
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**This specimen paper consists of 14 printed pages and 2 blank pages.**

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1. Which one is an ornamental plant?
  - A. a flower
  - B. maize
  - C. soya bean
  - D. gum tree
  
2. Which one is an example of a major nutrient found in the soil?
  - A. zinc
  - B. boron
  - C. calcium
  - D. potassium
  
3. An example of a natural source of water is a
  - A. dam.
  - B. tap.
  - C. spring.
  - D. borehole.

4. Four soil sample representing clay, gravel, sand and silt are shown in the diagram.  
Which soil sample represents clay?

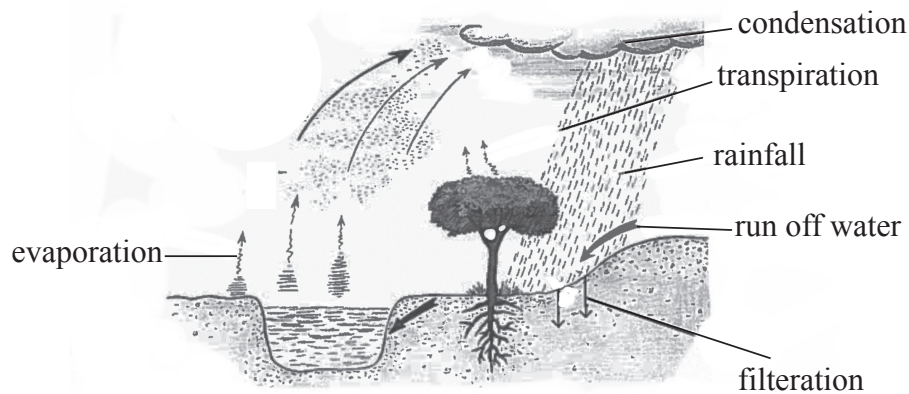


5. Friction between moving parts of a farm machine can be reduced by
- A. painting.
  - B. cleaning.
  - C. greasing.
  - D. sharpening.
6. Weeds can be controlled using
- A. pesticides.
  - B. insecticides.
  - C. herbicides.
  - D. fumigation.

**[Turn over**

7. How is afforestation defined?
- A. the cutting down of trees
  - B. the treatment of timber
  - C. planting trees in a place where there have been no trees
  - D. the growing of trees for decorating gardens and grounds
8. Sharp tools should always be stored
- A. facing the ground.
  - B. in a cool wet place.
  - C. where they cannot be seen.
  - D. beyond the reach of children.
9. To which national market do farmers sell their maize?
- A. Cold Storage Commission
  - B. Dairy Marketing Board
  - C. Grain Marketing Board
  - D. Cotton Marketing Board
10. A farmer produces crops for sale.  
The farmer is practicing
- A. mixed farming.
  - B. subsistence farming.
  - C. commercial farming.
  - D. shifting cultivation.
11. A veterinary doctor
- A. inspects animal meat.
  - B. breeds animals.
  - C. herds cattle.
  - D. treats animals.

12. Which statement is true about the land reform programme in Zimbabwe?
- A. It extended the cropping season.
  - B. It enabled farmers to grow crops throughout the year.
  - C. It promoted the planting of small grain crops in region 1.
  - D. It reduced population pressure in overpopulated rural areas.
13. Some living organisms make tunnels as they move within the soil.  
This process
- A. loosens the soils.
  - B. fertilises the soil.
  - C. conserves the soil.
  - D. adds moisture to the soil.
14. The diagram shows stages of the water cycle.

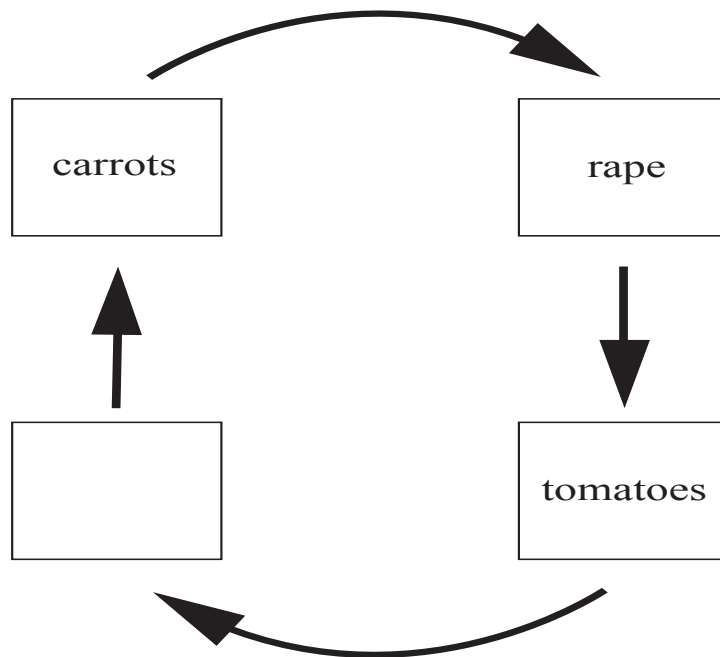


Which stage is directly influenced by the sun?

- A. rainfall
- B. evaporation
- C. condensation
- D. run off

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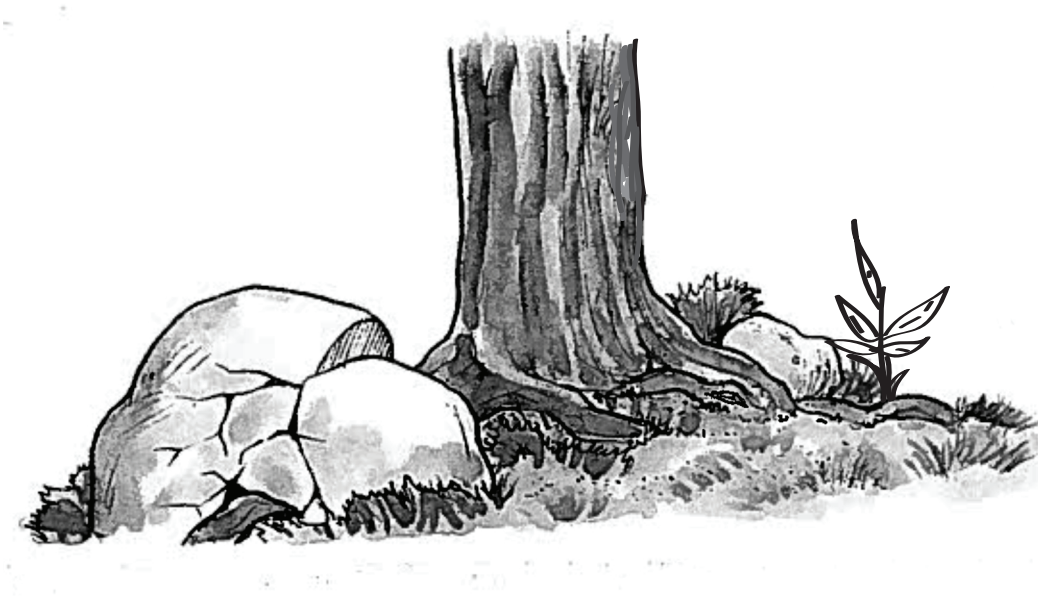
15. The diagram shows a four cycle vegetable crop rotation.



Which crop is suitable to complete the rotation programme?

- A. beans
  - B. maize
  - C. potatoes
  - D. cabbages
16. What is the maturity age for broilers?
- A. 2 weeks
  - B. 4 weeks
  - C. 8 weeks
  - D. 10 weeks

17. The diagram shows weathering taking place.

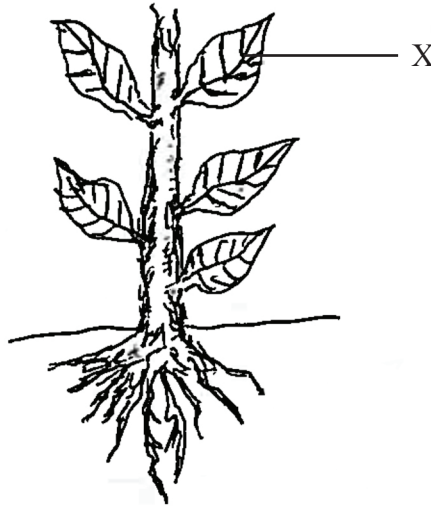


Which type of weathering is taking place?

- A. physical
  - B. natural
  - C. chemical
  - D. biological
18. Which record controls the movement of equipment on a farm?
- A. budget
  - B. inventory
  - C. workers register
  - D. income and expenditure
19. Mrs Love bought potatoes for \$150.00. She repacked them into 18 smaller packets and sold each for \$20.00.
- How much profit did she make?
- A. \$130.00
  - B. \$170.00
  - C. \$210.00
  - D. \$360.00

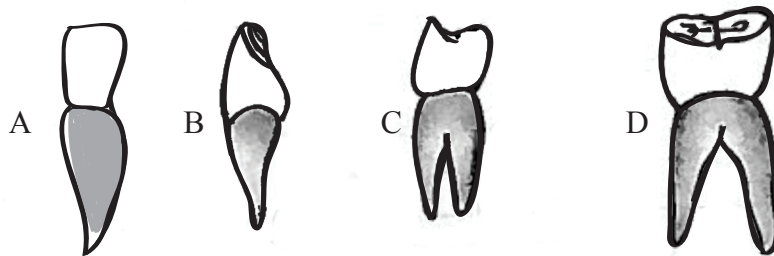
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20. The diagram shows parts of a plant.



One function of the part labelled X is

- A. giving support to the branches.
  - B. absorbing water and minerals.
  - C. sexual reproduction.
  - D. food production.
21. The diagram shows types of teeth.  
Which tooth, A, B, C or D, is a premolar?



22. A child has soft bones which are deformed easily.

The child's diet lacks

- A. carbohydrates.
- B. vitamin D.
- C. proteins.
- D. iodine.



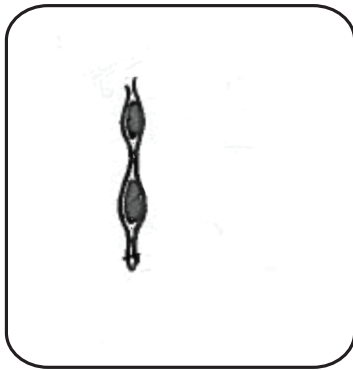
23. Which one is a renewable source of energy?

- A. sun
- B. petrol
- C. coal fire
- D. electricity

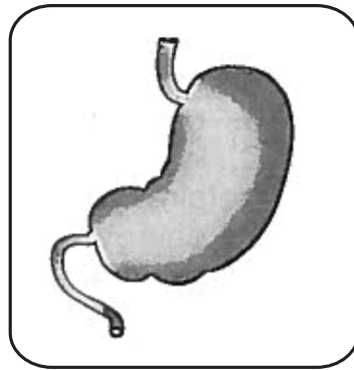
24. The diagram show parts of a digestive system.

Which part shows the stomach?

A



B



C



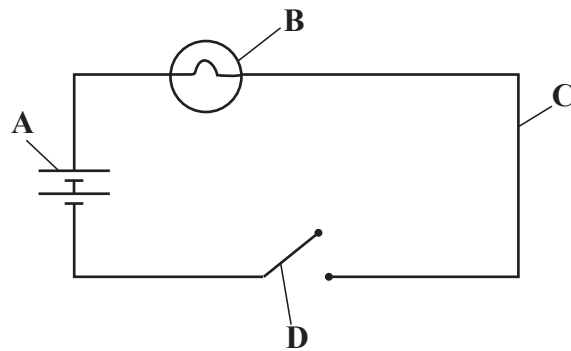
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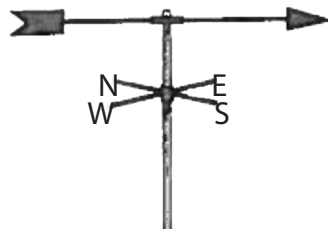
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25. The diagram shows electrical symbols.

Which symbol is a switch?



26. The diagram shows a weather instrument.



The weather instrument is a

- A. wind vane.
  - B. rain gauge.
  - C. hygrometer.
  - D. thermometer.
27. A liquid which allows substances to dissolve in it is a
- A. solvent.
  - B. solute.
  - C. filtrate.
  - D. solution.

28. The diagram shows a food chain.

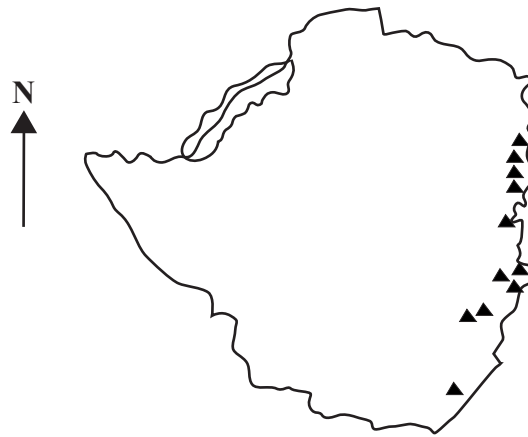
Plant → X → lion.

What could be X?

- A. dog
  - B. zebra
  - C. snake
  - D. cheetah
29. What is the function of the heart?
- A. producing red blood cells
  - B. transporting food nutrients
  - C. transporting oxygen
  - D. pumping blood
30. A child throws a stone upwards but after some time the stone falls down.  
What causes the stone to fall?
- A. elastic forces
  - B. electronic forces
  - C. magnetic forces
  - D. gravitational forces
31. Which two elements form water?
- A. hydrogen and oxygen
  - B. hydrogen and nitrogen
  - C. carbon and hydrogen
  - D. carbon and oxygen

[Turn over

32. The diagram shows some landforms found in Zimbabwe.



Which landform marks the border of Zimbabwe in the eastern direction?

- A. town
  - B. lake
  - C. river
  - D. mountain
33. Some appliances use software in order for them to work.

Which appliance uses software?

- A. laptop
- B. light bulb
- C. solar panel
- D. charcoal iron

34. The diagram shows a component of a Public Address (P.A) system.



The purpose of the component shown is to

- A. record sound.
  - B. lower the sound.
  - C. increase the sound level.
  - D. improve the sound quality.
35. Viruses are a threat to computers.
- Viruses can be detected through the use of
- A. a scanner.
  - B. a temporary file.
  - C. a computer network.
  - D. an antivirus software.
36. The sending of data from the computer to the internet is
- A. upsizing.
  - B. uploading.
  - C. downsizing.
  - D. downloading.

**[Turn over**

37. The picture shows a component that connects one network to another across long distances.



This component is called a

- A. hub.
  - B. cable.
  - C. router.
  - D. switch.
38. Which program is used to create a spreadsheet?
- A. Ms Word.
  - B. Ms Excel.
  - C. Ms Access.
  - D. Ms PowerPoint.
39. Received e-mail is kept in the
- A. drafts .
  - B. inbox.
  - C. outbox.
  - D. attachments.
40. Some Grade Seven learners applied for Form One vacancies online.  
This is called
- A. e-marking.
  - B. e-learning.
  - C. e-commerce.
  - D. e-registration.

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