

NAME:	
SCHOOL: .	



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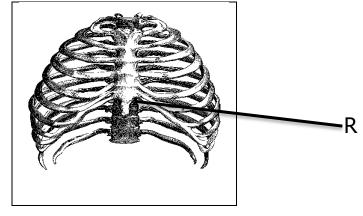


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SECTION A

- 1. Name the garden tool used for harvesting cereals.
 - ✓ Sickle
- 2. Mention the component of the environment that helps plants to make glucose
 - ✓ Water//The sun
- 3. Name the method of heat transfer in solids
 - ✓ Conduction//Heat transfer by conduction
- 4. State the purpose of tying a splint around the fracture of a causality
 - ✓ To keep the fractured bones in position.
- 5. Why are fish able to live in water?
 - ✓ Fish breath in dissolved oxygen//Fish have gills for breathing//Fish breath in air containing dissolved oxygen.
- 6. Why are faeces not regarded as excretory products?
 - ✓ Feaces are not removed from the body by any of the excretory organs//
 - ✓ Gut feaces are not produced by metabolic breakdown//Feaces are not produced due to metabolism.
- 7. State any one biological feature that can be used to classify arthropods.
 - ✓ Body structure//Number of legs//Breathing organs
- 8. Which breed of cattle is characterized by short horns?
 - ✓ Exotic breeds

The diagram below is of a part of the human skeleton study it and use to answer question 9 and 10



- 9. Name part marked R.
 - ✓ Sternum//Breast bone

10. What type of bone is part marked R?

✓ Flat bone

11. State the importance of a vent pipe in a VIP latrine

✓ To let out bad smelling air

12. Give a reason why the right ventricle of the human heart is made up of thick walls.

✓ To withstand a low blood pressure//To pump blood of higher pressure across a short distance.

13. What causes wind?

✓ Difference in atmospheric air pressure.

14. State one way people can manage natural changes like floods.

- ✓ Avoiding swamp drainage//Reducing on cultivation in wetland//
- ✓ Planting more trees//Reducing on mining

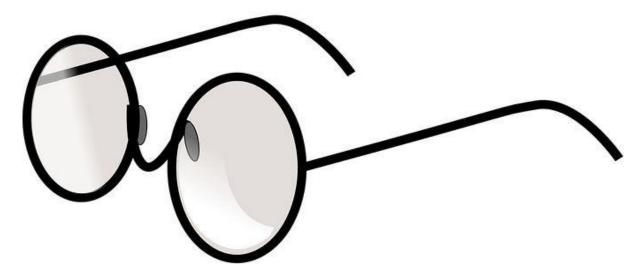
15. Mention one sign of hookworm infection in humans

✓ Anaemia//Pale skin//Vomiting//Diarrhoea//Stunted growth in children

16. Give a reason why the wooden pole for a fence should be got from mature and ready trees.

✓ The trees are able to withstand harsh weather conditions

The diagram below shows a simple optical instrument. use it to answer questions 17 and 18



17. Name the optical instrument shown above.

✓ Spectacle

18. How is the above optical instrument useful to opticians.

✓ For correcting eye defects.

19. Mention any one danger of using natural fertilizers.

- ✓ They take long to release nutrients in the soil//They are bulky//
- ✓ Some natural fertilizers like green manure may carry diseases and spread them to crops
- 20. Apart from pneumonia, give any other disease that attacks both poultry and rabbits.
 - √ Coccidiosis

21. State one advantage of using electricity in the conservation of the environment.

- ✓ Electricity does not produce smoke which causes pollution//
- ✓ Electricity minimizes cutting down of trees for wood fuel

22. Give any one similarity between bacteria and animals in terms of feeding.

✓ Both bacteria and animals feed on already made food//Do not make their own food

23. Why could one bend forward while climbing a hill?

✓ To overcome the effect of gravity

24. State any one factor that affects the weight of an object.

✓ Gravity acting upon an object//Mass of an object//Upthrust acting upon an object

25. State the purpose of boiling water before drinking.

✓ To kill germs

26. Mention any one activity a P.2 child can do to promote personal hygiene.

✓ Regular bathing//Brushing teeth//Combing hair//Shaving over grown hair

27. How long is the incubation period of a turkey?

✓ 28 days//4 weeks

28. Apart from having hemoglobin, give any other way red blood cells are able to transport oxygen.

✓ Have no nucleus for carrying oxygen//Disc shape (biconcave) to carry oxygen

29. Name the part of a cow that lets milk out from the udder.

✓ Teats

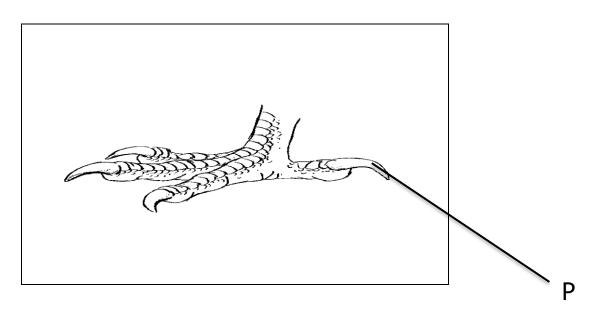
30. Give one method of preserving hides.

- ✓ Wet salting//Suspension drying
- 31. State any **one** bad health style that leads to still births in humans.
 - √ Tobacco smoking//Alcoholism

32. State the advantage of dipping a burnt part of a casualty in clean cold water.

- ✓ To minimize swelling of the burnt part//To reduce high temperature//
- √ To reduce further damage on skin tissues//To reduce(relieve) pain//
- ✓ To cool temperature around the burnt part//To minimize formation of blisters
- 33. State the difference between a cassava plant and a bean plant in terms of propagation.
 - ✓ Cassava plant propagated by planting stem cuttings while a bean plant propagated by planting seeds.
- 34. Name the element of weather that enables people to dry wet clothes at night.
 - ✓ Wind
- 35. State what could happen to chest cavity when breathing in air.
 - ✓ The chest cavity moves upwards and outwards

The diagram below shows the foot of a hen. Study and use it to answer questions 36 and 37.



- 36. Give the use of part marked P to a hen when feeding.
 - ✓ For scratching the ground in search for food
- 37. To which group of birds does the above foot belong?
 - ✓ Scratching birds

38. State any one way soil is formed.

√ Weathering of rocks//Decomposition of organic matter

39. How are perches useful in promoting the health of poultry?

✓ Perches enable poultry to do physical exercise

40. Of what importance is docking to a ram?

√ Keeps the ram clean//Ensures even distribution of fats in a ram. Note: it's a ram (male sheep) not ewe (female sheep) so reject makes mating easy

SECTION B

41a) State any two principles of PHC.

- i) Prevention is better than cure//Total health for all members
- ii) Full participation by all members//PHC activities should be done according to people's priorities//PHC services should be cheap//available e.t.c.

b) Identify any two ways in which an individual can participate in PHC.

- i) Going for antenatal care//Feeding on a balanced diet//Having safe delivery from hospitals
- ii) Taking children for immunization//Promoting good sanitation

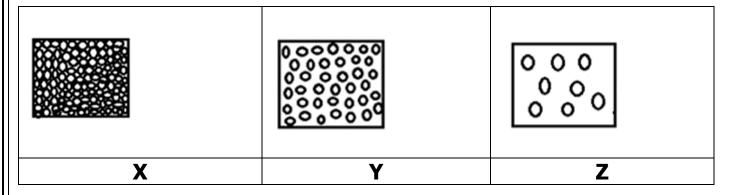
42. Complete the table below correctly

Body organ	Digestive juice	ENZYME
Pancreas	Pancreatic juice	Pancreatic amylase//Trypsin//
		Lipase
Mouth	Saliva	Ptyalin
Stomach	Gastric juice	Pepsin/rennin
	Succus entericus	Peptidase//Lipase//Maltase//
Ileum	(intestinal juice)	Sucrase//Lactase

43. The process below summarizes a certain body process. Study and use it to answer the questions that follow.

Glucose + w + ── Energy + Water vapour + Z

- a) Identify the human body process shown in the equation above.
- ✓ Respiration
- b) Name the gaseous substances marked W and Z.
 - **I. W-**Oxygen
 - **II. Z-**Carbondioxide
- c) Start the role of the gaseous substance marked W during the human body process above.
- ✓ To oxidize glucose to produce energy.
- ✓ To burn glucose to produce energy.
- 44.a) State any two social and emotional changes that occur in adolescents.
 - i) They become confused about body changes//Become interested to people of opposite sex//They develop desire for freedom
 - ii) They move in peer groups//Rebel against rules of parents and teachers
 - b) Give two danger signs of pregnancy among humans.
 - i) Vomiting at all times//Vaginal bleeding//Lower back pain
 - ii) Severe tiredness//Prolonged anaemia//Severe swelling of legs and hands//Difficulty in seeing
- 45. The diagram below shows states of matter. Study and use them to answer the questions that follow



a) Name the force of attraction that holds the molecules of state X above together.

✓ Cohesion

b)State any one difference between the state marked X and Y above

- ✓ State X does not take shape of the container while state Y takes up the shape of the container
- ✓ State X allows heat transfer by conduction while Y allows heat transfer by convection
- ✓ State marked X has closely parked molecules while state Y has fairly spaced molecules
- ✓ State X has high cohesion while state Y has less cohesion

c) Identify the state of matter in which heat travels fastest?

✓ Gases//Gaseous state

d)state the use of the physical process that changes state of matter Z to Y in our daily life.

 ✓ Helps in rain formation//Helps in distillation of fermented alcohol (crude oil)

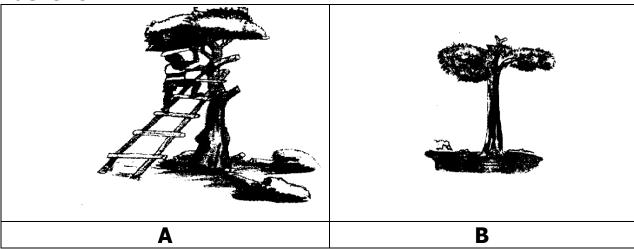
46. You are provided with the following materials; water, saucepan, heat source, table salt, fresh banana leaves and peeled matooke.

a) Write the steps Kellen would follow while preparing a local dish at home using the above materials. (04 marks)

- ✓ Place the peeled matooke in the saucepan.
- ✓ Pour enough water to cover the peeled matooke and add a pinch of table salt.
- ✓ Cover the peeled matooke with fresh banana leaves to conserve heat during steaming.
- ✓ Steam the peeled matooke until its ready and serve with any sauce of your choice.

47.a) Mention any two disease that attack the circulatory system.

- i) Sickle cell anaemia//Anaemia (Anemia)//AIDs//Mnemonic:SHALAM
- ii) Haemophilia//Leukemia (Blood cancer)//Malaria other diseases
 - ✓ Coronary Heart disease//Heart Value disease
 - b) Give any two ways of promoting the proper functioning of the circulatory system.
 - i) Eating less oily or fatty food//Performing regular physical exercises//Feeding on balanced diet
 - ii) Avoid smoking//Going for regular medical checkups
- 48. The diagram below shows proper methods of harvesting trees in Agro-forestry. Study them carefully and answer questions that follow.



a). Name the method of harvesting trees marked A and B.

A: Lopping

B: Pollarding

- b). Which of the above method of harvesting trees does not cause danger to the trees?
 - ✓ Method A

- c). Mention any one tool used when harvesting trees using method marked B.
 - ✓ Panga
- 49.a) State any one example of a single movable pulley.
 - ✓ Cranes//Elevators
- b) An effort of 50kgs is used to lift a load of using a single moveable pully.
- i) Calculate the size of the load lifted. (02marks)

$$M.A = \frac{L}{E}$$

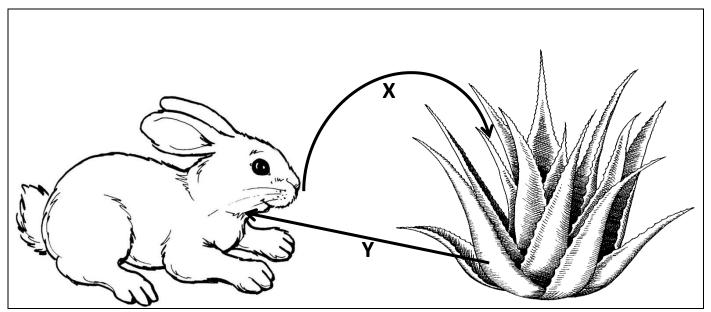
$$2 = \frac{L}{50}$$

$$Kg(2\times50) = \frac{L}{50kg} \times 50kg$$
 • The size of the load lifted is 100kg

$$L = 100 kg$$

- ii) Give one advantage of using the above type of pulley over others.
 - ✓ The above machine reduces effort required to overcome bigger load
- 50. a) Give the meaning of the term electric circuit.
 - ✓ An electric circuit is a path for the flow of electric current
- b) Identify the safety device found in the electric circuit.
 - ✓ Fuse
- c). State the purpose of switching off the source of electricity as soon as possible as a way giving first aid for electric shock.
 - ✓ To prevent further flow of electric current

51.a) The diagram below shows the relationship between a rabbit and a sisal plant. Study it carefully and answer the questions that follow



a). What name is given to the relationship above?

✓ Interdependence

b). Name the gaseous product marked X and Y.

X: Carbondioxide

Y: Oxygen

c). Give any one way plant benefit from plants.

- ✓ Plants depend on others as habitants//Some plants provide support to others//Some parasitic plants obtain food from host plants
- ✓ Big and tall plants protect short plants against strong wind

52.a) Give any two reasons why carrying out a health survey in an area is important.

- i)Determines health status of people//Creates awareness about health challenges// Helps in identifying health needs to people//Helps in monitoring health programs.
- ii) Provides health health services//Helps in planning for better health services

b). Mention any two issues addressed during health education.

- ✓ Proper sanitation//Control of diseases//Importance of immunization//
- ✓ Importance of proper nutrition//Proper personal hygiene

53.a) Give a reason why a hen turns its eggs using a beak during incubation.

✓ To ensure all her eggs get warmth//To supply warmth to all her eggs

b). Apart from warmth, give any other two things provided to chicks in a brooder.

√ Food (Mash)//Water//Protection

c). State any one disadvantage of natural brooding.

- ✓ Chicks can die if not well protected
- ✓ Chicks can be eaten by wild animals
- ✓ Natural brooding cannot be used on large scal

54.a) Why is distilled water not good for drinking?

✓ Distilled water lacks mineral salts

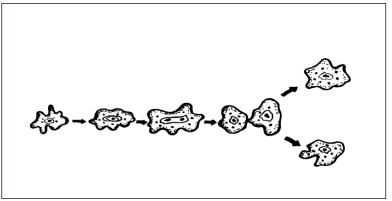
b) Mention any two ways of making water safe for drinking

- i)Boiling to kill germs
- ii) Chlorination//Fluoridation

c). Give any one example of a mixture that can be separated by a magnet.

- ✓ Iron filings and maize flour
- ✓ Iron and sand mixture
- ✓ Iron filings and rice

55. The diagram below show a mode of reproduction. Study it carefully and answer the questions that follow.



a). Name the mode of reproduction shown above.

✓ Cell division//Binary fission

b). How is the mode of reproduction shown above different from that of most fungi?

✓ Most fungi reproduce by spore formation (sporulation) while the above mode of reproduction is by cell division (binary fusion)

c). In which two ways are bacteria useful to people?

- i) For fermenting milk to make cheese//Some bacteria are used to make vaccines//For fermenting milk to make yoghurt//Bacteria help in reducing large volume of faeces in latrines
- ii) Bacteria help in decomposition of wastes to form compost manure//Some bacteria enable production of biogas//Bacteria help in decomposition of rubbish in rubbish pits

TEACHERS SHOULD TRAIN THEIR LEARNERS TO WRITE SPECIFIC ANSWERS WHILE ANSWERING QUESTIONS

EXAMPLE

- 1. How are houseflies dangerous to human beings?
 - ✓ They spread diarrhoeal diseases
 - ✓ They spread trachoma.
 - ✓ They spread dysentery.

NOT

They spread diseases to humans