

COMMON MISTAKES IN SCIENCE PART ONE

1. State one way heat travels through matter.

Wrong response

- ❖ Radiation

Correct response

- ✓ Conduction
- ✓ Convection

COMMENT

- Heat moves by radiation through vacuum only yet vacuum is not matter. Vacuum does not contain matter.

2. Why are ventilators put on top of doors and windows?

Wrong response

- ❖ To put out bad smell
- ❖ To let out used air

Correct response

- ✓ To let out warm air which is less dense than cool air

COMMENT

- Air is not bad and not used up instead warm air which is less dense is let out by ventilators at the top of windows and doors and replaced by cool air that comes through doors and windows.

3. Why are dustbins considered to be important components of a clean home?

Wrong response

- ❖ To put in rubbish
- ❖ To collect rubbish
- ❖ To keep rubbish

Correct response

- ✓ For proper disposal of rubbish

COMMENT

- Rubbish should be disposed off but not put in, collected or kept in dustbins

4. Name the type of change that takes place water changes into vapour?

Wrong response

- ❖ Evaporation

Correct response

- ✓ Physical change

COMMENT

- One should note that there are two types of changes that take place in water that is physical and chemical changes

5. Name the change that takes place when water changes into vapour?

Wrong response

- ❖ Physical change

Correct response

- ✓ Evaporation

COMMENT

- The above question just required one to name the process not the type of change. It is always a tricky question and requires one to be careful when answering it.

6. What is a flower?

Wrong response

- ❖ A flower is a reproductive part of a plant.

Correct response

- ✓ A flower is a reproductive part of a flowering plant.

COMMENT

- Not all plant use flowers as their reproductive part, remember we have non flowering plants which do not bear flowers therefore we need a bit specific on our definition.

7. Why are fungi called Saprophytes?

Wrong response

- ❖ Fungi feed on dead decaying matter
- ❖ Fungi feed on dead organic decaying matter.

Correct response

- ✓ Fungi feed on decaying matter
- ✓ Fungi feed saprophytically

COMMENT

- We should not confuse learners by asking for dead decaying matter as there is living decaying matter

8. What is the use of traffic signs on the road?

Wrong response

- ❖ Traffic signs control road accidents

Correct response

- ✓ Traffic signs control road users

COMMENT

- The question requires one to give the use / role of traffic signs on the road not the reason why they are put on the road

9. Give any one way of managing accidents at home.

Wrong response

- ❖ Keeping sharp objects away from the reach of children
- ❖ Cooking from raised places

Correct response

- ✓ Shouting for help in case of near drowning

- ✓ Administering first aid immediately according to the type of accident that has occurred.

COMMENT

- The first answer is for ways of controlling accident not managing, this question is tricky and it requires interpretation.

10. Mention any one way of controlling the breeding of mosquitoes near our homes

Wrong response

- ❖ Slashing tall grass near our homes

Correct response

- ✓ Draining stagnant water in the compound / near our homes

COMMENT

- Bush / grass are hiding places for mosquitoes not breeding places. The answer would work if the question was asking for the ways controlling the spread of malaria.

11. How does mulching control soil erosion?

Wrong response

- ❖ Mulching reduce the speed of fast flowing water

Correct response

- ✓ Mulches reduce the speed of fast flowing water

COMMENT

- Mulching is an act /practice, what reduces the speed of fast flowing water is mulch.

12. Where does conception take place in human beings?

Wrong response

- ❖ In the uterus

Correct response

- ✓ In the oviduct/fallopian tube

COMMENT

- Conception is a successful fertilization therefore it takes place in the oviduct where fertilization takes place.

13. How does painting prevent rusting of iron tools?

Wrong response

- ❖ Painting cuts off the supply of oxygen and moisture to the iron tools

Correct response

- ✓ Paint cuts off the supply of oxygen and moisture to the iron tools

COMMENT

- Painting is just an act of supplying paint to the iron tools, what prevent rusting is the paint which covers the iron tools to cut off the supply of oxygen and moisture.

14. What is a magnet?

Wrong response

- ❖ A magnet is a piece of metal which can attract other magnetic materials

Correct response

- ✓ A magnet is a material which attracts other magnetic substances

COMMENT

- Not all magnets are metals in nature, earth as an example of a natural magnet is not a metal in nature.

15. What is a rabbitry?

Wrong response

- ❖ Rabbitry is the rearing of rabbits

Correct response

- ✓ Rabbitry is a place where rabbits are kept
- ✓ Rabbitry refers to the group of rabbits.

COMMENT

- The act of rearing and breeding of rabbits is called cuniculture

16. Name two animal tick borne diseases caused by protozoa

Wrong response

- ❖ Heart water
- ❖ Anaplasmosis

Correct response

- ✓ East Coast fever
- ✓ Red water disease

COMMENT

- Not all tick borne diseases are caused by protozoa, some tick borne diseases like heart water is caused by bacteria, other bacterium tick borne diseases are anaplasmosis and gall sickness

17. How do tape worms enter our bodies?

Wrong response

- ❖ Through eating half cooked meat.

Correct response

- ✓ Through eating undercooked meat

COMMENT

- No one can measure the cooking in terms of weight or mass

18. What is a lens?

Wrong response

- ❖ A lens is a transparent piece of glass bound with curved surfaces capable of refracting light

Correct response

- ✓ A lens is a transparent material bound with curved surfaces capable of refracting light.

COMMENT

- Not all lenses are made of glasses, some are plastic and others are body tissues e.g eye lens

19. Mention any two examples of biological changes in the environment

Wrong response

- ❖ Sweating
- ❖ Transpiration
- ❖ Painting

Correct response

- ✓ Growth
- ✓ Reproduction
- ✓ Germination
- ✓ Fruiting
- ✓ Flowering
- ✓ Moulting

COMMENT

- Biological changes are changes that take place in living things and causes growth. The first three answers do not cause any growth in living things

20. Why are gaps left between railway lines?

Wrong response

- ❖ To allow room for expansion during hot days / weather

Correct response

- ✓ To leave room / space for expansion during hot days / weather

COMMENT

- Expansion takes place when not allowed so omit the use of the word 'allow'

21. Name the form of energy produced by a dry cell?

Wrong response

- ❖ Electric energy

Correct response

- ✓ Electrical energy

COMMENT

- Electric is used when referring to devices connected to electricity e.g electric kettles, electric heaters, electric bulb not a form of energy as most books write

22. Give any one example of solitary bees

Wrong response

- ❖ Bumble bees

Correct response

- ✓ Mason bees
- ✓ Leaf cutter bees
- ✓ Mining bees

COMMENT

- Bumble bees are social bees not solitary bees as most text books write. We need to avoid being much dependent on every information we get from text books

23. Mention two sources of food

Wrong response

- ❖ Lakes
- ❖ Gardens
- ❖ Forests
- ❖ Market
- ❖ Shops
- ❖ Swamps

Correct response

- ✓ Plants
- ✓ Animals

COMMENT

- The first answers are for places where food can be found or got from not sources of food, we only have two sources of food.

24. How is germination similar to rusting?

Wrong response

- ❖ Both require oxygen to occur
- ❖ Both require moisture to occur

Correct response

- ✓ Both require oxygen and moisture to occur

COMMENT

- Rusting can only occur in the presence of both oxygen and moisture. The reason as to why we keep iron tools in the house at night is to prevent rusting but remember we have oxygen in the house.

25. What type of leaf do cassava plants have?

Wrong response

- ❖ Compound leaf

Correct response

- ✓ Simple leaf

COMMENT

- The leaf of a cassava plant is not completely divided at the leaf blade. This makes it a simple leaf not a compound leaf as many people may think

26. What is electricity?

Wrong response

- ❖ Electricity is a form of energy produced by the flow of electrons

Correct response

- ✓ Electricity is a form of energy produced by charges / that involves charges / produced by charged particles.

COMMENT

- The first response is wrong because not all types of electricity involve the flow of electrons that definition favours only current electricity but it does not favour static electricity whose electrons are static.

27. Mention two causes of dehydration

Wrong response

- ❖ Vomiting
- ❖ Diarrhoea
- ❖ Sweating

Correct response

- ✓ Excessive sweating
- ✓ Excessive vomiting
- ✓ Prolonged diarrhoea

COMMENT

- The first answers are incomplete because they do not show the degree of the condition that can lead to dehydration. One becomes dehydrated when he/she has prolonged or severe diarrhea, vomits and sweats excessively.

28. Why are vitamins important in one's diet?

Wrong response

- ❖ To prevent diseases

Correct response

- ✓ Vitamins make the body healthy and protected from diseases

COMMENT

- Vitamins do not prevent diseases neither do they cure diseases **but** they make the body healthy and resistant from diseases.

29. Name two systems of keeping poultry

Wrong response

- ❖ Battery cage system
- ❖ Fold pen system

Correct response

- ✓ Battery or cage system
- ✓ Fold or pen system

COMMENT

- The concept fo battery cage and fold pen is out dated, it should be either battery system or cage system and the sane should be to fold or pen system

30. Define soil erosion

Wrong response

- ❖ Soil erosion is the washing away of top by its agents.

Correct response

- ✓ Soil erosion is the removal of top soil by the erosional agents.

COMMENT

- We should always mind of the language and subject competences when answering questions in science

31. Name two types of chicken kept for special purposes

Wrong response

- ❖ Indigenous breed
- ❖ Local breed
- ❖ Rhode island

Correct response

- ✓ Broilers
- ✓ Layers

COMMENT

- The type of chicken implies the purpose, then breed of chicken implies the clan

32. Give any two germs that cause diseases to people.

Wrong response

- ❖ Tsetse flies
- ❖ Cockroaches
- ❖ Houseflies

Correct response

- ✓ Virus
- ✓ Protozoa
- ✓ Bacteria Fungi

COMMENT

- One should know that vectors only spread diseases. It germs responsible for causing diseases

33. Why does a drone bee die soon after mating the queen?

Wrong response

- ❖ It is killed by a worker bee

Correct response

- ✓ Due to damage on its lower abdomen which causes dehydration to death

COMMENT

- A drone bee dies on its own after mating with queen due to loss of its reproductive organ which breaks off thus causing dehydration to death

34. How is warmth useful during seed germination?

Wrong response

- ❖ Warmth provides necessary temperature for seed germination.

Correct response

- ✓ Warmth speeds up the action of the enzymes used in seed germination.

COMMENT

- Warmth means optimum temperature, therefore by using the first answer, one will have not answered the question. The enzyme (alpha amylase) is responsible for seed germination

35. Why do we wash our hands before eating food?

Wrong response

- ❖ To avoid diseases / germs

Correct response

- ✓ To remove germs or to wash off germs

COMMENT

- Germs cannot be avoided (they are unseen), we remove them or wash them off when we wash our hands.

36. Name one way of preserving fish.

Wrong response

- ❖ By freezing it

Correct response

- ✓ By smoking
- ✓ By sun drying
- ✓ By refrigerating. etc

COMMENT

- Freezing is change of state from liquid to solid and does not kill the bacteria that may make fish go bad. The method of preservation is refrigerating

37. Mention two types of chicken

Wrong response

- ❖ Ducks
- ❖ Turkeys

Correct response

- ✓ Broilers
- ✓ Layers

COMMENT

- A type of chicken refers to a group of chicken kept for special purpose. The first answers are for types/examples of poultry.

38. Define chlorophyll

Wrong response

- ❖ Chlorophyll is a green colouring matter in plants.

Correct response

- ✓ Chlorophyll is the colouring matter found in plants.

COMMENT

- Different plants may have different colouring matter. Not all plants are green in colour though all have chlorophyll.

39. List down any two examples of accidents common among children.

Wrong response

- ❖ Falls
- ❖ Knocks

Correct response

- ✓ Fractures
- ✓ Dislocation

COMMENT

- Falls and knocks cause accidents but they are not examples of accidents. When a person falls may get a fracture, bruises, cut or a dislocation, you may now realize that falls and knocks cause accidents but not examples of accidents.

40. Which state of matter is porridge?

Wrong response

- ❖ Solid

Correct response

- ✓ Liquid

COMMENT

- Porridge has the characteristics of liquids like it can flow, it takes the shape of a container. This makes it to be a liquid not a solid as some people may think

41. How are birds of prey dangerous to poultry farmers?

Wrong response

- ❖ Birds of prey kill farmers' birds

Correct response

- ✓ Birds of prey hunt and kill farmers' chicks

COMMENT

- The question requires one to specify the kinds of birds killed not all birds are killed by birds of prey.

42. Name one bi product of respiration.

Wrong response

- ❖ Energy

Correct response

- ✓ Carbon dioxide
- ✓ Water vapour

COMMENT

- Energy is the end product of respiration. One should note that the bi product are only two

43. How are earthworms useful in the soil?

Wrong response

- ❖ They form humus when they die

Correct response

- ✓ Earthworms aerate the soil

COMMENT

- The organism must not first die before we benefit from them. Death makes an organism to perish

44. How do people benefit from a lion?

Wrong response

- ❖ Lion forms humus when it dies and rot to support plant growth

Correct response

- ✓ Lion feeds on herbivores that destroy farmers' crops.
- ✓ Their excreta forms humus that improves soil fertility

COMMENT

- We do not to wait until a lion dies in order to benefit. As teachers, there is need to avoid and reject vague answers.

45. Name the type of joint found at the hip.

Wrong response

- ❖ Hip joint

Correct response

- ✓ Ball and socket joint

COMMENT

- The question stem says type of joint not an example of joint found at the hip

46. How are sweets dangerous to our teeth?

Wrong response

- ❖ Sweets cause tooth decay

Correct response

- ✓ The remaining sweet particles attract the bacteria which cause tooth decay

COMMENT

- Sweets alone do not cause tooth decay without bacteria. Remember it is bacteria which has been attracted by the remains of sweet particles that will cause tooth decay.

47. Why are goats able to survive in the drier conditions than cattle?

Wrong response

- ❖ Goats occupy less space than cattle
- ❖ Goats have low water demand.

Correct response

- ✓ Goats have lower water demand than cattle

COMMENT

- Teachers should note that comparison questions calls for comparison answers. Secondly the first answer is wrong simply because the question is specific on drier conditions therefore there is no need to talk about space

48. Why do people need to boil water for drinking?

Wrong response

- ❖ To avoid diseases/ to avoid germs.

Correct response

- ✓ To kill germs in it / to kill disease causing germs.

COMMENT

- Germs cannot be avoided by boiling since boiled water can be contaminated by germs when put in dirty container,. The main aim of boiling water before drinking is to kill germs in it

49. Name the host for the vector that spreads bubonic plague.

Wrong response

- ❖ Man

Correct response

- ✓ A rat

COMMENT

- Man does not spread bubonic plague, the question wants the vector and the vector is called rat flea.

50. Why are doors and windows put at lower level than the ventilators?

Wrong response

- ❖ To allow fresh air / to allow in oxygen.

Correct response

- ✓ To let in fresh air which is denser than warm air.

COMMENT

- The question requires comparison of densities of warm and fresh air thus the level of windows, doors and ventilators.

51. Name one biological method of controlling crop pest.

Wrong response

- ❖ Practicing drop rotation

Correct response

- ✓ Use of pest predators

COMMENT

- Biological way of controlling pests involves use of living things to control other living things. Crop rotation is not a biological method as some people think.

52. Name two types of poultry.

Wrong response

- ❖ Broilers
- ❖ Layers

Correct response

- ✓ Chicken
- ✓ Turkeys
- ✓ Ducks
- ✓ Pigeons

COMMENT

- Types of poultry is the same as examples of poultry. The answers are for types of chicken not poultry.

53. How is HIV/AIDS spread from one person to another?

Wrong response

- ❖ Through playing sex with an infected person

Correct response

- ✓ Through having unprotected sex with an infected person.

COMMENT

- We have sex but we don't play sex, we play using either hands, legs yet with sex we use none of those two.

54. Where does respiration take place in the human body?

Wrong response

- ❖ In the lungs.

Correct response

- ✓ In the living body cells.

COMMENT

- Lungs re the respiratory organ yet the question requires one to identify the specific place where respiration takes place in the body

55. State one way school children can keep their latrines clean.

Wrong response

- ❖ By smoking them regularly.

Correct response

- ✓ By mopping the floor // By sweeping the floor.
- ✓ By scrubbing the floor with detergents.

COMMENT

- The first response is not correct because smoking reduces bad smell but does not make latrine clean. It instead makes latrines dirty.

56. Define Excretion?

Wrong response

- ❖ Excretion is the removal of waste materials from the body.

Correct response

- ✓ Excretion is the removal of harmful metabolic materials from the body.

COMMENT

- You should know that even faeces are waste materials but are not excretory products because they are not produced by metabolic processes. They are instead undigested food materials.

57. How are gills important to mushrooms?

Wrong response

- ❖ To produce and store spores.

Correct response

- ✓ To produce spores.

COMMENT

- After production, spores are dispersed they cannot be stored again. This makes the first response to be wrong.

58. Give the importance of a kink to a clinical thermometer.

Wrong response

- ❖ Kink prevents the backward flow of mercury.

Correct response

- ✓ Kink prevents the backward flow of mercury before the readings are taken.

COMMENT

- The first response is incomplete and it doesn't bring out the real meaning therefore we should encourage the use of the second response since it is the most correct response

59. How do deciduous plants breathe during dry season?

Wrong response

- ❖ Through stomata

Correct response

- ✓ Using the lenticels(stomata) found on the stem)

COMMENT

- We should note that deciduous plants shed their leaves during dry season, therefore the breathing mechanism will only be lenticels.

60. What is respiration?

Wrong response

- ❖ Respiration is the process by which the body uses oxygen to burn down food to produce energy, carbon dioxide and water vapour.

Correct response

- ✓ Respiration is the chemical breakdown of food in the body to provide energy.

COMMENT

- Remember not all types of respiration involves the use of oxygen. We have anaerobic respiration which does not involve the use of oxygen to occur.

61. Mention the vaccine given to young children to prevent them from getting tetanus.

Wrong response

- ❖ Tetanus Toxoid Vaccine (T.T)

Correct response

- ✓ DPT Vaccine

COMMENT

- Tetanus Toxoid Vaccine is given to girls and women between 15-49 years and also pregnant women not to young children.

62. Give a reason why telephone wires are loosely fixed on poles?

Wrong response

- ❖ To allow contraction // To allow contraction and expansion.

Correct response

- ✓ To leave room for contraction and expansion.

COMMENT

- Contraction will take place even when not allowed and therefore wires are left loose or sagging to enable them contract freely without breaking.

63. Why is it important to apply cold compress on a nose bleeding victim?

Wrong response

- ❖ To stop bleeding.

Correct response

- ✓ To cause easy blood clotting in order to stop bleeding.

COMMENT

- Bleeding cannot be stopped unless there is blood clotting, therefore the first response is not correct.

64. Give the importance of proteins in the body.

Wrong response

- ❖ Proteins repair worn out cells.

Correct response

- ✓ Proteins repair worn out body tissues
- ✓ Proteins replace the worn out body cells.

COMMENT

- We should take note that body tissue are repaired while body cells replaced. Cells in our body wear out every day and can be replaced by new ones.

65. Name the type of joint that makes all round movement.

Wrong response

- ❖ Movable joint.

Correct response

- ✓ Ball and socket joint.

COMMENT

- Not all movable joints make all round movement, this makes the first response to be wrong.

66. Name two diseases that are caused by smoking

Wrong response

- ❖ Tuberculosis
- ❖ Asthma
- ❖ Bronchitis

Correct response

- ✓ Lung cancer
- ✓ Emphysema

COMMENT

- The first answers are wrong because all the above mentioned disease are not caused by smoking but they are worsen by smoking.

67. Apart from condoms, mention one other device a mother can use to prevent unplanned pregnancy.

Wrong response

- ❖ Inject plan // pills

Correct response

- ✓ Ultra uterus devices
- ✓ Diaphragms

COMMENT

- The first answer is medicine not device or object as required in the question

68. Name the sense organ a P.4 pupil can use to tell whether tea is hot or cold.

Wrong response

- ❖ Tongue

Correct response

- ✓ The skin

COMMENT

- The tongue is a sense organ for tasting yet the question stem requires one to give the sense organ for feeling

69. Give any one examples of crops grown in mounds.

Wrong response

- ❖ Carrots
- ❖ Cabbage // Sweet beets

Correct response

- ✓ Sweet potatoes
- ✓ Irish potatoes

COMMENT

- The first answers are for crops which are grown in ridges, yet the question requires one to name crops grown in mounds.

70. What type of change is respiration?

Wrong response

- ❖ Biological change

Correct response

- ✓ Chemical change

COMMENT

- Respiration produces new products like carbon dioxide and water vapour which are irreversible.

71. Under which group of animals do snails belong?

Wrong response

- ❖ Mollusks // Molluscs

Correct response

- ✓ Invertebrates

COMMENT

- The question requires one to give the group of animals yet we only have vertebrates and invertebrates as the group of animals.

72. Mention one characteristics that is common in all mammals.

Wrong response

- ❖ They produce young ones alive and breast feed them.

Correct response

- ✓ They feed their young ones on milk produced from the mammary glands of their mothers

COMMENT

- The first response is not correct because **NOT** all mammals bear young ones alive others lay eggs. But all mammals are for their young ones.

73. What does a tapeworm feed on?

Wrong response

- ❖ Blood.

Correct response

- ✓ Digested food

COMMENT

- The first response is wrong because tapeworms do not feed on blood, they live in the intestines and feed on already digested food by the host.

74. What is cross pollination?

Wrong response

- ❖ Cross pollination is the transfer of pollen grain from the anther to stigma of different flowers.

Correct response

- ✓ Cross pollination is the transfer of pollen grains from the anther of one flower to the stigma of another flower on different plants but of the same kind/species.

COMMENT

- One should note that cross pollination occurs on flowers of the same species **BUT** on different plants, the first answer can also mean self-pollination.

75. Apart from aerating the soil, give one other way earthworms are useful to crop farmers?

Wrong response

- ❖ They allow water to pass through the soil by making holes in soil.

Correct response

- ✓ They take plant remains into the soil which improves its fertility.

COMMENT

- The first response is already given in the question. One should always read and understand the question very well..

76. What cause pellagra in human?

Wrong response

- ❖ Lack of vitamin B₂ in the body

Correct response

- ✓ Lack of vitamin B₃ in the body.

COMMENT

- Pellagra is not caused by lack of vitamin B₂ as most books write but it is caused by lack of vitamin B₃ in the body.

77. Why is the filament of an electric bulb coiled?

Wrong response

- ❖ To increase electric resistance.

Correct response

- ✓ To increase electrical resistance.

COMMENT

- One should note that it is the resistance of electricity which is increased not electric device, therefore we should know where to use the two words.

78. What is the importance of suckers to a tapeworm?

Wrong response

- ❖ For feeding.

Correct response

- ✓ For attachment on the walls of the intestines.

COMMENT

- Both the hooks and suckers are used for attachment. It is the skin which is used for feeding. Remember food diffuses into its body through the cuticle.

79. How do plants increase the amount of rainfall received in an area?

Wrong response

- ❖ Plants help in rainfall formation.

Correct response

- ✓ Through transpiration

COMMENT

- When plants respire, they increase on the amount of water vapour in the atmosphere hence increasing the amount of rainfall received in an area.

80. Give the main cause of fainting in people

Wrong response

- ❖ Lack of enough blood flowing to the brain.

Correct response

- ✓ Reduced supply of blood with oxygen to the brain

COMMENT

- We should discourage the use of lack of enough because lack of enough means there is nothing let us train learners to use words like shortage, inadequate instead of lack.

81. How does a pea plant climb other plants?

Wrong response

- ❖ By twinning.

Correct response

- ✓ By twining

COMMENT

- The first response is wrong because it has a different meaning from the required question. Twin mean two offspring born at the same time, twine means to coil/twist so mind the spelling of the two words.

82. Why does a bottle of soda break when soda has frozen?

Wrong response

- ❖ Due to contraction of the bottle by low temperature.

Correct response

- ✓ Due to expansion of soda when frozen.

COMMENT

- When liquid is frozen, its volume increases, mass remains constant and the density decreases.

83. By what process does gaseous state of matter change directly to solid state?

Wrong response

- ❖ Sublimation.

Correct response

- ✓ Deposition

COMMENT

- Sublimation is the change of state from solid to gaseous state, we should explain it clearly to the learners.

84. Give the importance of a rake in a garden.

Wrong response

- ❖ For collecting rubbish.

Correct response

- ✓ For collecting plant material plant materials and grass

COMMENT

- We don't expect rubbish to be dumped in the garden. The first response would work better if the question needed the importance of a rake at a home.

85. Why is HIV commonly spread to female adolescents than male ones?

Wrong response

- ❖ Females have low bargaining power for sex than males.

Correct response

- ✓ Female adolescents get sexually mature earlier than males.

COMMENT

- The first response has no scientific meaning in it therefore it should be rejected. One should also mind of the subject and language competence when answering.

86. How is the kidney important in the human body?

Wrong response

- ❖ It removes waste products from the body.

Correct response

- ✓ Kidney regulates the amount water in the body
- ✓ The kidney filters blood.

COMMENT

- The first answer is not a specific role played by the kidney. One is required to give the specific role played by the kidney in the human body.

87. Which type of cattle are mainly kept for doing work?

Wrong response

- ❖ Drought cattle.

Correct response

- ✓ Draught cattle / Labour cattle.

COMMENT

- Learners should be guided on the spelling of the two words. Guide them to know that we use the word draught in cattle not drought.

88. Define environment Wrong response

- ❖ Environment is the man and his surroundings.

Correct response

- ✓ Environment is the surroundings of an organism.

COMMENT

- The first response is wrong because all organisms have their environment, it's not true that only man has environment.

89. What name is given to the young one of a rabbit?

Wrong response

- ❖ Bunny.

Correct response

- ✓ Kit / Kitten.

COMMENT

- Bunny is a nick name, the right name is kit/kitten. This is the same name given to young one of a cat.

90. Name the disease spread by fresh water snail to people.

Wrong response

- ❖ Bilharzia.

Correct response

- ✓ Bilharziasis
- ✓ Schistosomiasis

COMMENT

- Bilharzia is the germ that spread bilharziasis (schistosomiasis) to people. The germ can also be called schistosoma/blood fluke.

91. Give the first aid for fever.

Wrong response

- ❖ Tepid sponging using cold water.

Correct response

- ✓ Tepid sponging using lukewarm water

COMMENT

- Cold water increases core body temperature by cooling the skin and causing shivering therefore we shouldn't use it.

92. Name one material used to clean dusty materials like saucepans

Wrong response

- ❖ Steel wire.

Correct response

- ✓ Steel wool

COMMENT

- Many learners think that the material used to clean saucepans, kettles etc is steel wire which is wrong, and the right word should be steel wool.

93. Why are we advised to brush our teeth regularly?

- ❖ To prevent tooth decay.

Correct response

- ✓ To remove the remaining food particles which may attract the bacteria that causes tooth decay.

COMMENT

- Brushing only does not prevent tooth decay but removes the remaining food particles that attract bacteria that causes tooth decay.

94. Define photosynthesis.

- ❖ Photosynthesis is the process by which green plant make their own food.

Correct response

- ✓ Photosynthesis is the process by which plants make their own food.

COMMENT

- One should not that not all plants are green in colour. **BUT** all plants are able to manufacture their own food called starch (glucose) in the presence of sunlight energy.

95. State the importance of splints when giving first aid.

Wrong response

- ❖ Splints are tied around the broken bone.

Correct response

- ✓ Splints keep the broken bone in one position

COMMENT

- The first answer describes splints but it does not bring out its main function, we should train learners question approach

96. How is a plate stand important in a home?

Wrong response

- ❖ It is where utensils are put to dry.

Correct response

- ✓ Allows proper drying of utensils and cutlery
- ✓ Enables utensils to dry in hygienic conditions

COMMENT

- The first answer is wrong because it is defining a plate stand not its importance. We should train learners how to answer “**How**” questions.

97. Why is it easier to control the spread of AIDS than malaria?

Wrong response

- ❖ By abstaining from sex.

Correct response

- ✓ It is easier to abstain from sex than avoiding mosquito bites

COMMENT

- The first response has not answered the question, secondly it is also incomplete. A comparison question needs a comparison answer.

98. How is malaria spread>

Wrong response

- ❖ By mosquitoes.

Correct response

- ✓ When an infected female anopheles mosquito bites a person

COMMENT

- The question requires one to state the mode of transmission /movement of the germs. We should train learners how to approach “**How**” questions.

99. Apart from wearing sandals, give one other way of preventing the spread of worms to human beings.

Wrong response

- ❖ By deworming

Correct response

- ✓ Eating well cooked meat
- ✓ Eating well washed fruits and vegetables

COMMENT

- Deworming is a way of treating worm infection not preventing. Teach learners to identify key words in the question before attempting it

100. Give the importance of a veranda on a house.

Wrong response

- ❖ To provide shade to the people.
- ❖ It acts as a sun trap

Correct response

- ✓ Prevents flowing water from entering the house
- ✓ Provides extra support to the house

COMMENT

- Most learners fail the question because they don't know what we call a veranda on a house. Teachers should take trouble to teach practical lessons to overcome such challenges.