
STANDARD EIGHT YEAR 2016

END-TERM 2, SCIENCE PAPER 1HR-40MINS

Coordinated by KENPRO,
Macjo Arcade, 4th Floor, Suite 15E,
Off Magadi Road, Ongata Rongai |Tel: +254202319748 |
E-mail:infosnkenya@gmail.com | Website:www.schoolsnetkenya.com

SCIENCE

TIME: 1HR. 40MINS

READ THE INSTRUCTIONS CAREFULLY

HOW TO USE THE ANSWER SHEET

1. You have been given this question booklet and a separate ANSWER SHEET. The question booklet contains 50 questions.
2. Do any necessary rough work in this booklet.
3. Use only an ordinary pencil.

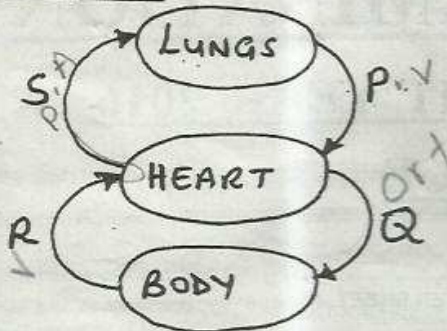
1. YOUR NAME

2. NAME OF YOUR SCHOOL

3. YOUR INDEX NUMBER

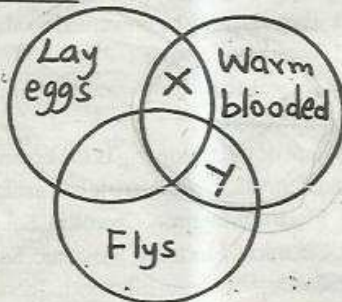
1. Which one of the following components of blood is found in large numbers in infected sites of the body?
A. Plasma B. White blood cells
C. Red blood cells D. Platelets
2. Below are the processes that take place during reproduction in human beings
(i) implantation (ii) fertilization
(iii) ovulation (iv) parturition
Which one of the following shows the correct order in which the above processes occur?
A. iii, iv, ii, i B. iii, ii, i, iv
C. iv, iii, ii, i D. iv, iii, i, ii
3. The most likely reason why lactating mother require food rich in iron is to:
A. include extra fluids for milk production
B. replace the amount of blood she loses during birth
C. include the elements needed for the formation of teeth and bones in the baby
D. give them energy
4. Which one of the following practices would break the life cycle of the parasites that cause bilharzia?
A. Drinking clean boiled water
B. Using latrines and toilets properly
C. Killing all fresh water snails in a dam
D. Wearing gumboots and rubber gloves when working in a flooded area
5. Which of the following is a gradual sign of ill health in livestock?
A. Coughing B. Blood in stool
C. Rough coat D. Loss of weight
6. Which of the following are green non flowering plants?
A. Moss, Algae, Lichens
B. Ferns, Toadstools, Algae
C. Kales, Moss, Eucalyptus
D. Eucalyptus, Kales, Moss
7. Which of the following activities does not pollute the soil?
A. Using farm chemicals excessively
B. Using fertilizer excessively
C. Burying broken glasses and plastic in the soil
D. Burying organic matter in the soil
8. Which one of the following statement is true about Gonorrhoea, syphilis and chancroid?
A. They are caused by the same micro organisms
B. They can only be prevented by abstinence
C. They have no cure
D. They can only be transmitted through sexual intercourse
9. Which of the following is the correct order of energy transformation in an electric bell using a battery?
A. Electric, Magnetic, Chemical, Sound
B. Chemical, Electrical, Magnetic, Sound
C. Sound, Magnetic, Electrical, Chemical
D. Sound, Chemical, Magnetic, Electrical
10. Which of the following best explains what xerophytes?
A. They are plants that are able to survive in moist soil
B. They are plants that grow in different areas depending on how they are adapted
C. They are plants that are able to survive in dry areas
D. They are plants whose survival mechanisms make them survive in their habitats
11. Which one of the following is NOT a straight fertilizer?
A. Diamonium Phosphate
B. Calcium ammonium nitrate
C. Urea
D. Muriate of potash
12. The following are disadvantages of hard water except?
A. It does not lather easily with soap
B. It blocks the boilers and kettles
C. It prevents rusting due to the formation of scale
D. It is easily got from rain and does not form scales

13. The diagram below represents a simplified blood circulatory system.



Which pair of blood vessels represents the main artery and vein respectively?

- A. PQ
B. SR
C. RQ
D. QR
14. In which one of the following is water re-used?
A. Using dirty water from kitchen for watering plants
B. Collecting rain water from the roof for domestic use
C. Getting clean water from dirty water by boiling and cooling the steam
D. Storing water in dams to be used in irrigation
15. Which animals best fits in the part marked X and Y in the diagram below.



X

- A. Spiny ant enter ✓
B. Bat
C. Snake
D. Frog

Y

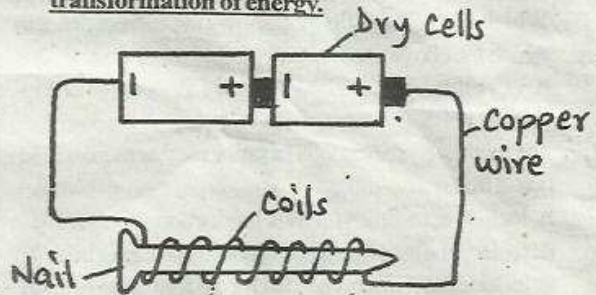
- Bat
Fish ✓
Bird ✓
Monkey ✓

16. The statement below describes the birth process
(i) labour pain begins
(ii) cutting umbilical cord
(iii) expulsion of the baby
(iv) contractions of the uterine walls
(v) tying the umbilical cord
The correct arrangement of the process should be
A. ii, i, iv, iii, v
B. iv, i, iii, ii, v
C. iv, i, iii, v, ii
D. iii, v, iv, ii, i

17. Which one of the following types of levers belong to the same class of levers as the one drawn below?



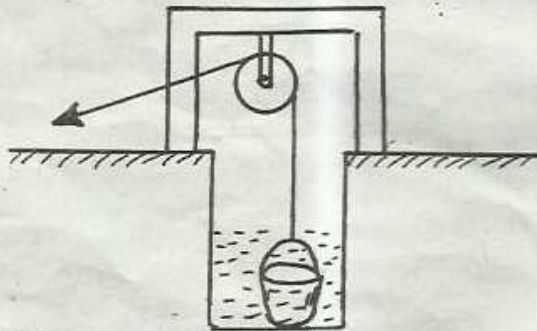
- A. claw hammer
B. fishing rod
C. lid opener ✓
D. wheelbarrow
18. The following are effects of drug abuse
(i) Rape
(ii) Addiction ✓
(iii) Lack of concentration
(iv) Truancy ✓
(v) Impaired judgement
Which of these are all health effects?
A. i, ii, iii ✓
B. ii, iii, iv ✓
C. i, iv, v ✓
D. ii, iii, v
19. In order to separate a mixture of salt and sand one should
A. Stir, evaporate and dissolve in water
B. Evaporate, and dissolve in water
C. Dissolve in water, filter and evaporate
D. Filter, dissolve in water and evaporate
20. The Diagram below was set up when investigating transformation of energy.



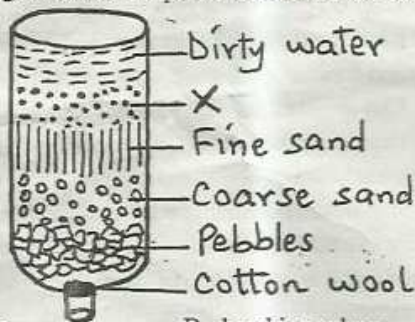
Which one of the following is not away of increasing the magnetism of the nail?

- A. Using a magnet instead of a nail
B. Increasing the number of dry cells
C. Increasing the number of coils
D. Using insulated copper wire
21. Which of the following activity involves recycling of water?
A. Using water for washing clothes to mop the house
B. Filtering muddy water to remove soil particles
C. Storing harvested water in water tanks
D. Boiling river water to make it safe for drinking
22. Which of the following is not an advantage of breast milk to the infants?
A. It boosts the immunity of the mother
B. It strengthens mother to child bond
C. It contains enough water and sugar
D. It is free from disease causing germs

23. The method shown below is the most convenient way of drawing water from a borehole because _____?



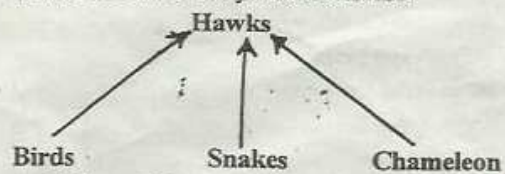
- A. It changes the direction of force
 B. One applies less effort
 C. Effort distance is equal to load distance
 D. The effort is more than the load
24. The following are functions of the skin. Which one is not?
 A. Cooling the body through evaporation
 B. Synthesis of Vitamin D
 C. Makes people look beautiful
 D. Storage organs
25. In the diagram below the part marked X is used for?



- A. filtering
 B. absorbing colour
 C. trapping dust
 D. colouring water
26. Which of the following adaptations of animals is for hopping and leaping?
 A. have a powerful hind leg
 B. have webbed feet
 C. have streamlined body
 D. have fins on the body
27. Which of the following liquids will form a homogeneous mixture
 A. kerosene, water
 B. temperature, ink
 C. petrol, diesel
 D. turpentine, oil
28. Which group consists of renewable forms of energy
 A. trees, sunlight, biogas
 B. natural gas, coal, diesel
 C. forests, petrol, kerosene
 D. wind, water, coal

29. Which of the following groups consists of inclined planes only?

- A. road winding up a hill, ladder, pulley
 B. scissors, staircases, wedges
 C. ladder, ramp, road winding up a hill
 D. hammer, pliers, scissors
30. When preparing compost manure the following should be done except
 A. it should be turned regularly
 B. top soil should be added to introduce bacteria
 C. should be wetted to improve leaching
 D. it should be covered with grass
31. What would be the effect in the food web below if all hawks died due to a mysterious disease?

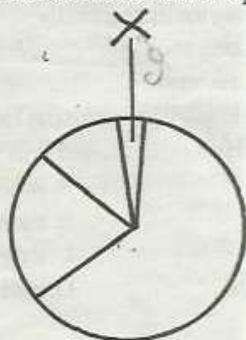


- A. Birds would increase and snakes decrease
 B. All the other would die
 C. Chameleon would feed birds
 D. All the others would increase
32. How does a katydid use camouflage as its adaptive feature?
 A. It looks like a stick
 B. It changes colour
 C. It looks like a leaf
 D. It hibernates
33. Fallowing of the land is important to farmers because this _____
 A. improves the fertility of the soil
 B. preserves the soil moisture
 C. stops water from flowing down the slope
 D. traps the soil carried by the water
34. The following are the main functions of the amniotic fluid except?
 A. Allows the foetus to turn freely in the uterus
 B. Helps to protect the foetus from getting hurt when something presses the mothers belly
 C. Acts as a shock absorber
 D. Helps in dilating the cervix
35. The beak shown below is of a flesh eater bird which of the following would you expect to find in its feet?



- A. webbed feet
 B. talons
 C. long legs
 D. hind legs

36. What is the function of the cells present in the sweat glands in the skin?
- absorbing urea and mineral salts
 - digestion of salts and waste products
 - absorption of excess water and excess salts from the blood
 - excreting blood components
37. Which of the following statements about HIV and AIDs is true?
- All HIV positive victims are suffering from AIDs
 - There are no visible signs during incubation period
 - The patient may not look normal and healthy during window period
 - During window period one may look healthy and he or she infects other people
38. Which one of the following is a sign of Anaemia?
- Wrinkles on the face
 - Sores at the corners of the mouth
 - Shortness of breath
 - Thin and weak body
39. The following are signs of ill health in plants except one. Which one is it?
- Spots and streaks
 - Stunted growth
 - Low quality products
 - Curled leaves
40. Fanyard manure should be stored in a water proof area. The main reason for this is to
- allow it to decompose faster
 - prevent leaching
 - make it more palatable
 - prevent it from theft
41. In which part of the cactus plant does photosynthesis take place?
- Flesh thick green stems
 - Thornlike leaves
 - Roots
 - Fruits
42. Which of the following is not a use of the gas marked x in the composition of air shown in the pie chart below?



- lighting of electric bulbs
 - making of food in green plants
 - extinguishing of fire
 - used in preservation of soft drinks
43. Which one of the following does not conserve soil?
- Practising confour farming
 - Ploughing along the slope
 - Growing of cover crops
 - Building of porous dams
44. Birds have streamlined bodies. This kind of shape
- Increases resistance to movement between the body surface and the air
 - Reduces friction between the body surface and the air
 - Makes them lighter when flying
 - Increases the rate at which it flies
45. Which of the following metals cannot be attracted by a magnet?
- Brass, zinc, silver
 - Steel, iron, cobalt
 - Iron graphite, chromium
 - Tin, nickel, steel
46. The following are reasons why an improved jiko spares energy except
- Clay is a poor conductor of heat
 - It has small space for holding charcoal
 - It is cone shaped
 - Clay does not insulate against heat loss
47. Which one of the following is a disadvantage of friction. Helps in
- Movement between our feet and ground
 - Production of heat
 - Causing wear and tear of shoes
 - Stopping moving objects
48. An insect pollinated flower has the following characteristics except
- Have brightly coloured petals
 - they are scented
 - they have light pollen grains
 - they produce nectar
49. Which of the following parts of a herbivorous is used for tumbing vegetable materials for proper chewing?
- Homy pand
 - Diastema
 - Tongue
 - Incisors
50. Which one of the following consists of a pair of storage pests?
- Rats, aphids
 - White ants and rats
 - Aphids and cutworms
 - White ants and cutworms