

# STANDARD 8 MID TERM 2 EXAM 2019

## SCIENCE

Time : 1hr 40min

1. Which pair of plants store food in the roots?  
 A. Onions and cassava  
 B. Sweet potatoes and carrots  
 C. Sugarcane and irish potatoes  
 D. Arrowroots and irish potatoes

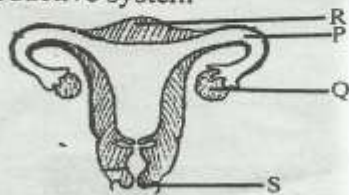
2. The following are characteristics of flowers:  
 (i) *Flowers are small in size*  
 (ii) *Produce heavy pollen grains*  
 (iii) *Have feathery stigma*  
 (iv) *Anthers are within the flower*  
 Which two characteristics are for a wind pollinated flower?  
 A. (i) and (iii)                      B. (ii) and (iv)  
 C. (i) and (iv)                        D. (ii) and (iii)

3. Which one of the following crop pests is **correctly** matched with the crops they attack?
- | <u>Pest</u>     | <u>Crops attached</u>           |
|-----------------|---------------------------------|
| A. Aphids       | Banana, sugarcane, cashewnuts   |
| B. Cutworms     | Sugarcane, sorghum, cassava     |
| C. Stalk borer  | Maize, sorghum, sugarcane       |
| D. Weaver birds | Sugarcane, cashewnuts, potatoes |

4. Which one of the following weeds has yellow flowers and produces black seeds?  
 A. Blackjack                      B. Oxalis  
 C. Wandering jew                D. Mexican marigold

5. Which one of the following plants is **not** adapted to growing in wet areas?  
 A. Duckweed  
 B. Water hyacinth  
 C. Casuarinas  
 D. Waterlily

6. The diagram below represents a female reproductive system



- Which of the labelled parts above performs the same function as testis in the male reproductive system?  
 A. P                                      B. Q  
 C. R                                      D. S

7. The following are functions of blood **except**  
 A. carrying white blood cells to where they are required  
 B. transporting urea from the kidneys to the bladder  
 C. distributing heat from the liver to all parts of the body  
 D. carrying digested food and oxygen to the cells

8. Which one of the following characteristics can **not** be used to identify premolars? Presence of  
 A. cusps and ridges  
 B. two roots and uneven tops  
 C. uneven tops and their use for chewing food  
 D. chisel shape and ridges

9. Which one of the following parts of the breathing system is **correctly** matched with its function?
- | <u>Part</u>  | <u>Function</u>                             |
|--------------|---|
| A. Windpipe  | Separates the chest cavity from the abdomen |
| B. Lungs     | Takes in air from the nose                  |
| C. Nose      | Warms, moistens and cleans the air          |
| D. Diaphragm | Allows air to pass to the lungs             |

10. The developing embryo in a human being gets food, oxygen and water through the  
 A. placenta                              B. amnion sac  
 C. uterus                                 D. umbilical cord

11. Which one of the following pairs of foods **does not** spoil our teeth?  
 A. Sweet, ice cream  
 B. Cakes, juices  
 C. Eggs, apples  
 D. Biscuits, chocolates

12. Which one of the following is an effect of HIV to an individual?
- Low agricultural production
  - Lack of parental care
  - Lowering self esteem
  - Poor economy

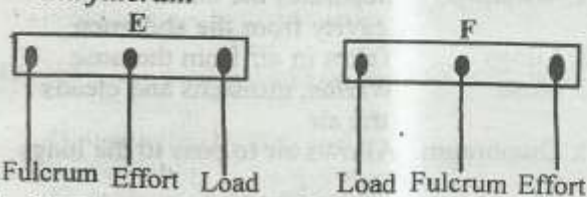
13. Which one of the following vaccines is given to a child in form of oral droplets?
- Anti-polio
  - BCG
  - Anti-measles
  - DPT

14. In which stage of HIV and AIDS development is the body's immunity completely destroyed?
- Window stage
  - Incubation stage
  - Symptomatic stage
  - Full blown stage

15. All the following are ways of showing love and care to people infected with HIV and AIDS **except**
- sneering and jeering at them.
  - keeping them company.
  - making them feel accepted.
  - talking to them.

16. Which one of the following sexually transmitted infections is **not** caused by bacteria?
- Syphilis
  - Genital herpes
  - Gonorrhoea
  - Chancroid

The diagrams below represent two levers E and F with different position of load, effort and fulcrum



17. The levers represented by E and F are

- |                |             |
|----------------|-------------|
| <b>E</b>       | <b>F</b>    |
| A. Spade       | Crowbar     |
| B. Spade       | Wheelbarrow |
| C. Wheelbarrow | Claw hammer |
| D. Clawhammer  | Crowbar     |

18. All the following are disadvantages of friction **except** that it
- assists in lighting matches.
  - makes work difficult.
  - produces unnecessary heat.
  - wears out objects.

19. The surfaces of roads are tarmacked to
- make vehicles skid.
  - reduce friction.
  - increase friction.
  - make roads attractive.

20. When you suddenly flick a paper on which an object is resting, the object
- moves with the paper
  - ascends
  - rests with the paper
  - remains at rest

21. The weighing machine used for weighing and balancing things is called a
- see- saw
  - standard weight
  - beam balance
  - spring balance

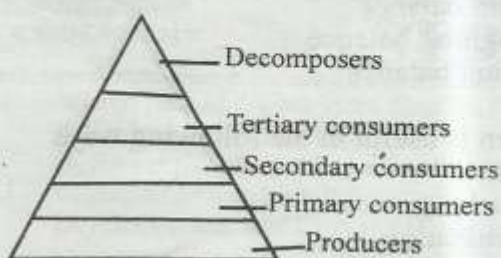
22. Which one of the following consists of substances which have no definite size?
- Paper, firewood, pencil
  - Ice, wood, diesel
  - Air, smoke, water vapour
  - Toothpaste, water, kerosene

23. Boats, ferries, canoes and ships made of metal float on water due to their
- shape
  - material
  - size
  - weight

24. If the size of the hole at the bottom of a tank is reduced,
- the jet of water would be reduced
  - the hole would throw water further than before
  - the water from the tank would come out in drips
  - the water in the tank would not come out at all

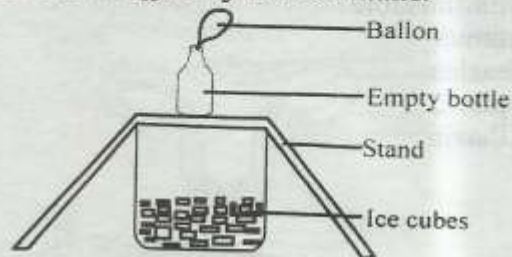
25. Which of the plants given below improves soil fertility by adding nitrogen to the soil?
- Wheat
  - Sorghum
  - Mushroom
  - Beans

The diagram below shows a feeding relationship in a habitat



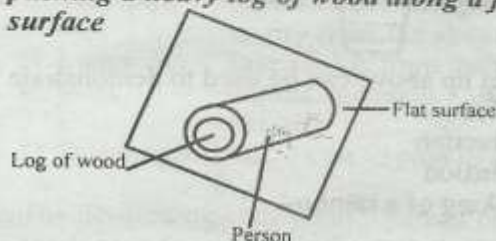
26. Which of the animals given below can be grouped as a primary consumer?  
 A. Snake                      B. Vulture  
 C. Goat                        D. Leopard
27. Which one of the following is **not** a way of preventing cholera?  
 A. Proper sanitation.  
 B. Immunization.  
 C. Spraying chemicals on stagnant water.  
 D. Eating well cooked foods.
28. Which one of the food stuffs below should be eaten to help a person to repair worn out tissues?  
 A. Fish, meat, beans  
 B. Chapati, cabbage, meat  
 C. Ugali, meat, cabbage  
 D. Chips, fish, sausage
29. Which one of the planets given below is closest to the earth?  
 A. Saturn                      B. Jupiter  
 C. Mars                         D. Mercury
30. Which of the following lists of foods consists of sources of oil **only**?  
 A. Cotton, sisal, sunflower  
 B. Coffee, maize, avocado  
 C. Simsim, coconut, beans  
 D. Coconut, avocado, maize

The diagram below was used to investigate a certain effect of heat on matter



31. The effect investigated was  
 A. air occupies space  
 B. solids expand on heating  
 C. gases increase in volume when heated  
 D. air contracts when cooled
32. Animals that lay unfertile eggs in water include all the following **except**  
 A. toad                      B. turtle  
 C. newt                       D. salamander
33. Which one of the following pairs of animals is affected by hook worms?  
 A. Goats and cattle  
 B. Sheep and goats  
 C. Poultry and cattle  
 D. Sheep and pigs
34. Which one of the following pairs of processes is as a result of decrease in temperature?  
 A. Melting and freezing  
 B. Condensation and evaporation  
 C. Condensation and freezing  
 D. Melting and evaporation
35. The capillarity of a soil type depends on the  
 A. size of the soil particles  
 B. amount of mineral salts in the soil  
 C. organic matter in the soil  
 D. amount of water in the soil

The diagram below represents a person pushing a heavy log of wood along a flat surface



36. Which one of the following changes would make the person push the log more easily?  
 A. Wearing shoes with rough soles.  
 B. Smearing oil on the log of wood.  
 C. Placing rollers on the flat surface.  
 D. Smearing oil on the flat surface.
37. Which of the following is the most suitable to be used when investigating rill erosion?  
 A. Flat bare land.  
 B. Slopy ground without vegetation.  
 C. Flat land with vegetation.  
 D. Slopy ground with vegetation.

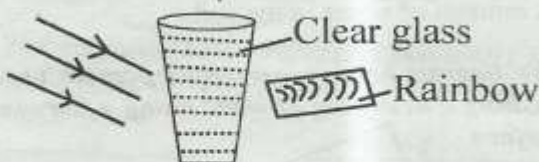
38. Three of the following are importance of roughage in the diet **except** that it
- helps in digestion
  - prevents constipation
  - helps in emptying bowels
  - helps in proper movement of food through the alimentary canal

39. Gabions are built **mainly** to
- conserve water
  - conserve soil
  - increase soil fertility
  - conserve forests

40. Babies should be given the fourth dose of polio at the age of
- 1½ months
  - 9 months
  - 2½ months
  - 3 months

41. Which of the following aspects of water vapour is definite?
- Volume
  - Mass
  - Size
  - Shape

Study the diagram below and answer the question that follows.



42. The set up above can be used to demonstrate
- reflection
  - refraction
  - diffusion
  - making of a rainbow

43. The use of a drug for any other purpose than the recommended one is known as
- prescription.
  - drug abuse.
  - drug misuse.
  - dosage.

44. Typhoid is a waterborne disease which **mainly** affects the
- stomach
  - intestines
  - head
  - lungs

45. Force is measured using a
- magnet
  - beam balance
  - weighing balance
  - spring balance

46. Oxygen is useful in the following ways **except**
- breathing
  - germination
  - food preservation
  - burning

47. The following are characteristics of clouds:

- Round masses.
- Covers the whole sky.
- Thick white.
- Mountainous shape.
- Appear in the low altitude and spread in flat layers.

Which two belong to nimbus clouds?

- (i) and (iv)
  - (v) and (iii)
  - (ii) and (iv)
  - (ii) and (v)
48. The deposit found in sufurias and boilers after boiling hard water is known as
- fur
  - scum
  - scale
  - residue
49. Which of the following groups of materials consists of good conductors of electricity **only**?
- Zinc, aluminium, air, silver
  - Copper, air, iron, silver
  - Silver, graphite, brass, lead
  - Paper, silver, wood, cloth

50. Which one of the following diseases is **not** immunisable?
- Tetanus
  - Measles
  - Typhoid
  - Bilharzia