

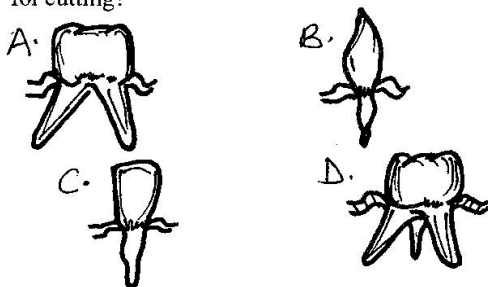
# STD 7 MID TERM 2, 2017

## SCIENCE

**READ THESE INSTRUCTIONS CAREFULLY**

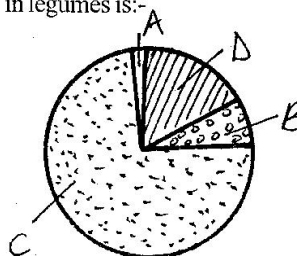
1. Use only an ordinary pencil.
2. Make sure that you have written on the answer sheet:-  
 (I) YOUR NAME (II) NAME OF YOUR SCHOOL
3. For each question show the correct answer by drawing line in the brackets in which the letter you have chosen is written.

1. Which one of the following is **NOT** a function of the nose in the breathing system?  
 A. Cleaning the air      B. Exchange of gases  
 C. Warming the air      D. Moistening the air
2. The following are diagrams of different types of teeth. Which diagram shows a type of tooth used for cutting?

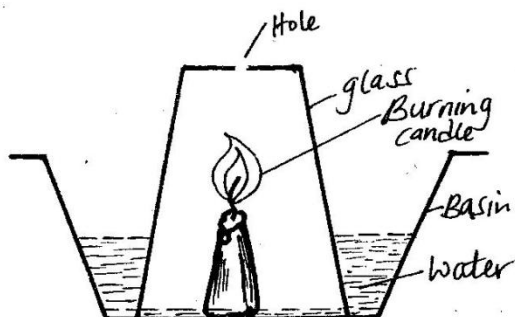


3. The following are effects of HIV infection on the family **EXCEPT**:-  
 A. lowering of self esteem  
 B. a lot of medical expenses  
 C. lack of parental care  
 D. loss of earnings
4. Which one of the following shows a pair of natural sources of light?  
 A. Moon, torch  
 B. Moon, stars  
 C. Glow worms, the stars  
 D. Torch, lamp
5. Freezing is \_\_\_\_\_  
 A. changing of solids to gas  
 B. changing of gas to liquid  
 C. changing of solid to liquid  
 D. changing of liquid to solid
6. Class seven pupils of Kiyoo primary wanted to test soil texture in their Science lesson. Which of the following materials was not needed?  
 A. Sand soil      B. Water  
 C. Clay soil      D. Loam soil

7. Which of the following is **NOT** a function of saliva during digestion?  
 A. Kill germs  
 B. Moistens food  
 C. Sticks food particles together  
 D. Break down food particles
8. Insectivorous plants grow on soil which lack some nutrients like nitrogen thus they feed on insects. Which of the following is **NOT** an insectivorous plant?  
 A. Venus fly trap      B. Sundew  
 C. Aloe vera      D. Cobra lily
9. Which of the following water borne diseases mainly attack the small intestines?  
 A. Cholera      B. Bilharzia  
 C. Dysentery      D. Typhoid
10. Which of the following is common sign in marasmus and kwashiorkor?  
 A. Pot bellied      B. Wrinkled face  
 C. Thin and weak      D. Brown hair
11. Which of the following is found among all reptiles but not in amphibians?  
 A. Laying eggs      B. Scales  
 C. Back bone      D. Cold blooded
12. Which of the following is a flowering plant?  
 A. Moss      B. Grass  
 C. Fern      D. Liverworts
13. The gas that is used in the process of protein making in legumes is:-



14. The following practices can spread AIDS. Which one cannot?  
 A. Female genital mutilation  
 B. Blood transfusion  
 C. Circumcision  
 D. Swimming
15. Which one of the following is **NOT** a fungal infection?  
 A. Yeast  
 B. Dandruffs  
 C. Athletes foot  
 D. Ringworm
16. The following are importances of HIV testing **EXCEPT**:-  
 A. to overcome fear  
 B. to avoid marriage  
 C. to change behaviour  
 D. to campaign against the spread of HIV
17. A std 6 pupil from Kasugi primary school carried out an experiment below.



They made a hole at the bottom of a glass. What observation did they make?

- A. The level of water in the basin dropped  
 B. The level of water in the glass rose  
 C. The candle continued burning  
 D. The candle went off after some times
18. Which one of the following lists consists of body fluids through which the HIV can be transmitted?  
 A. Breast milk, saliva, blood  
 B. Blood, urine, saliva  
 C. Blood, tears, saliva  
 D. reproductive fluid, urine, bile
19. Which statement is **TRUE** about the following animals: snails, fish, snakes and earthworms?  
 A. They all have scales in their bodies  
 B. They all live in soil  
 C. They all live in water  
 D. They do not have legs

20. Which of the following diseases are **WRONGLY** classified?

**Immunizable diseases      Water borne diseases**

A. Tetanus	typhoid
B. Measles	bilharzia
C. Diphtheria	tetanus
D. Tuberculosis	cholera

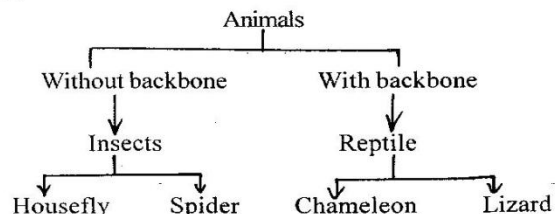
21. Which one of the following parts of a flower is **NOT CORRECTLY** matched with its function?

**Part of flower      Function**

A. Pollen grain	Fertilizes ovules
B. Stigma	produces pollen
C. Style	Support stigma
D. Filament	Supports anthers

22. The changes that affect the feelings behaviour of an adolescent are called:-  
 A. emotional changes      B. physical changes  
 C. adolescent changes      D. chemical changes

23.



Which of the following animals was **NOT** classified correctly?

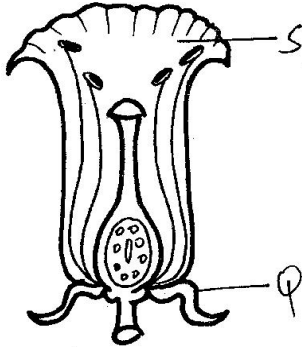
- A. Spider      B. Housefly  
 C. lizard      D. Chameleon
24. A farmer noticed small and shallow channels forming the soil in the garden due to running water. This type of soil erosion is called:-  
 A. splash      B. sheet      C. gully      D. rill
25. The type of soil erosion that is common around houses roofed with corrugated iron sheets is \_\_\_\_\_  
 A. gully erosion      B. sheet erosion  
 C. splash erosion      D. rill erosion
26. Which one of the following statements is **NOT** correct?  
 A. Medicines are used to prevent diseases  
 B. Medicines are taken in excess to speed up recovery  
 C. Medicines are used to relieve pain  
 D. Medicines are used to cure diseases
27. Which one of the following shows a pair of a major and a minor component of the environment respectively?  
 A. Water, soil      B. Sound, water  
 C. Buildings, tools      D. Animals, light

28. The following are the qualities of some blood vessels. Which combination shows a description of an artery?

- (i) Take blood to all parts of the body
- (ii) Have valves
- (iii) Carry blood away from the heart
- (iv) Have thin walls
- (v) Blood flows in waves
- (vi) Have thick walls

- A. (iii), (v), (vi)
- B. (iii), (i), (ii)
- C. (iv), (vi), (i)
- D. (i), (iv), (vi)

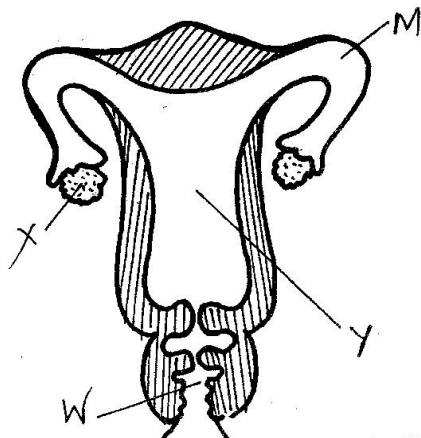
29.



The above diagram shows a flower. Which one of the following represents the functions of parts S and Q respectively?

- | S                        | Q                               |
|--------------------------|---------------------------------|
| A. Produce pollen grains | contains ovules                 |
| B. Attracts butterflies  | protect flower in the bud stage |
| C. Protect the flower    | attracts insects                |
| D. Brightly coloured     | holds the flower                |

30. The diagram below represents a female reproductive system.



In which of the following parts does fertilization take place?

- A. M
- B. X
- C. Y
- D. W

31. Standard five pupils grouped some small animals. Which one of the following animals can be grouped together with mites?

- A. Tick, spider, scorpion
- B. Moth, weevil, ant
- C. Grasshopper, bee, spider
- D. Earthworms, tapeworms, slugs

32. During a nature walk, std 6 pupils saw exposed roots of a tree in their school compound. Which type of soil erosion had occurred?

- A. Sheet
- B. Rill
- C. Splash
- D. Gully

33. Lewis a standard four boy was spraying herbicides on his small garden. This is an example of \_\_\_\_\_ usage of water.

- A. domestic use of water
- B. farm use of water
- C. industrial use of water
- D. recreation use of water

34. The following are processes that take place during germination.

- (i) The plumule forms a shoot with tiny leaves
- (ii) The seed absorbs water through the micropyle
- (iii) The radicle comes out through the micropyle
- (iv) The testa bursts and splits open
- (v) The seed swells up

Which is the **CORRECT** order of germination?

- A. (v), (iv), (iii), (ii), (i)
- B. (ii), (v), (iv), (i), (iii)
- C. (ii), (v), (iv), (iii), (i)
- D. (i), (ii), (iii), (iv), (v)

35. Which of the following **DOES NOT** help an animal to grow healthy?

- A. Proper medical care
- B. Proper feeding
- C. Adding fertilizer
- D. Proper housing

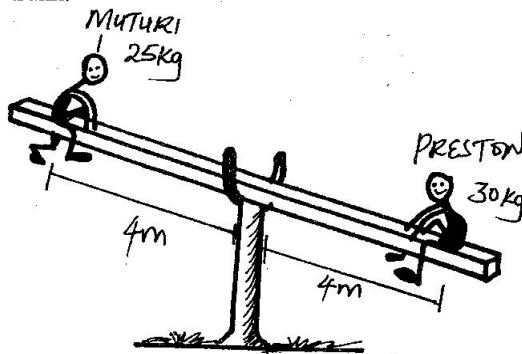
36. The best prevention against bad breath is \_\_\_\_\_

- A. good oral hygiene
- B. eating raw carrots
- C. using dental floss
- D. avoiding sugary foods

37. A child was seen to have fever, abdominal pains, aches in muscles and joints and skin rash. Which is the best way of preventing the noted disease?

- A. Wear protective clothes
- B. Kill water snails using chemicals
- C. Sleep under mosquito net
- D. Dispose of faeces properly

38. The heat moves sideways or downwards in the air using \_\_\_\_\_ method.
- convection
  - conduction
  - sublimation
  - radiation
39. The following are sources of light at our homes **EXCEPT:-**
- candle
  - electricity
  - fire fly
  - biogas
40. Which of the following methods require decrease of the heat?
- Melting and evaporation
  - Freezing and condensation
  - Melting and conduction
  - Freezing and evaporation
41. Which of the following tools requires greasing and oiling to function well?
- Wheelbarrow
  - Panga
  - Combined fork jembe
  - Sickle
42. Muturi and Preston were balancing on a see-saw. They sat at the same distance from the Y-shaped trunk.



For the two boys to balance on the see-saw:-

- Preston should jump
  - Muturi should move towards the Y-shaped tree trunk
  - Preston should move away from the Y-shaped tree trunk
  - Muturi should move away from the Y-shaped tree trunk
43. The following are effects of noise pollution.
- Noise makes people become less alert
  - Noise makes people feel uncomfortable
  - Noise makes people to work very well
  - Noise can cause deafness

Which one is **NOT** an effect of noise pollution?

- (i)
  - (ii)
  - (iii)
  - (iv)
44. Which one of the following is a star?
- Mercury
  - Sun
  - Venus
  - Mars
45. The following are some weather instrument used to measure various aspects of weather. Which ones measures temperature and strength of wind respectively?
- Liquid thermometer and windsock
  - Raingauge and windvane
  - Windsock and windvane
  - Liquid thermometer and raingauge
46. Various pupils were told to prepare a meal. They gave the following answer.
- Jane** : Maize and beans, chapati  
**Mary** : Ugali, spinach, beans  
**Tom** : Mashed potatoes, meat, orange  
**Ken** : Chapati, bean stew, mango
- Who **DID NOT** give a balanced diet?
- Tom
  - Mary
  - Ken
  - Jane
47. The following are states of matter. Which is the odd one out?
- Stone, salt, firewood
  - Milk, water, tea
  - Vapour, milk, stones
  - Vapor, smoke, vapour
48. Which one of the following is **NOT** a colour of the spectrum?
- Indigo
  - Violet
  - Purple
  - Red
49. Force is measured in \_\_\_\_\_
- kilograms
  - newtons
  - grammes
  - metres
50. Which one of the following is **NOT** a reason for lighting a house?
- To feel warm
  - For safety purpose
  - To discourage pests
  - To read comfortably