READ THE INSTRUCTIONS CAREFULLY
HOW TO USE THE ANSWER SHEET
1. You have been given this question booklet and a separate ANSWE SHEET. The question booklet contains 50 questions.
2. Do any necessary rough work in this booklet.
3. Use only an ordinary pencil.

1. Which of the following body waste products is wrongly matched with its excretory organ?
   A. Lungs - Carbon dioxide
   B. Kidney - Urine
   C. Skin - Sweat
   D. Skin - Oxygen

2. To prevent tooth decay we should do the following except
   A. Drink milk regularly
   B. Visit a dentist regularly
   C. Brushing your teeth rarely
   D. Eating non-sugary foods

3. The period between fertilization and birth is called
   A. Implantation
   B. Copulation
   C. Gestation
   D. Ovulation

4. Which one of the following statements show how plants benefit from animals during reproduction?
   A. Bees pollinating flowers as they collect their nectar
   B. Animals droppings being used as nutrients by plants
   C. Animals feeding on weeds growing under maize plants
   D. Plants providing shade for animals during hot weather

5. Use the food chain below to answer the question:
   Grass → Mouse → Snake → Hawk
   If the population of mouse is significantly reduced what would happen to the other organisms?
   A. Snakes would feed on grass
   B. There would be an immediate decrease of hawks
   C. Grass would be plenty
   D. All the other organisms would perish

6. The diagram below shows the stages in the development of the foetus

7. Which of the following groups of parasites consists of external parasites only?
   A. Tsetse fly, fleas, mites
   B. Ticks, flies, mites
   C. Roundworms, tapeworms, mites
   D. Tsetse fly, liver fluke, roundworm

8. The diagram below is a simplified form of circulatory system:

   Lungs → Heart → Body

   What is true about blood vessels E and G?
   A. They carry deoxygenated blood
   B. They are both veins
   C. They both carry oxygenated blood
   D. They are both arteries

9. Which one of the following is a compound fertilizer?
   A. Urea
   B. Triple super phosphate
   C. CAN
   D. Diammonium phosphate

10. The following are types of drugs:
    (i) Mandrax
    (ii) Petrol
    (iii) Alcohol
    (iv) Cobbler’s glue
11. Standard seven pupils were studying a mixture of liquids. They mixed petrol, water and milk. Which of the following shows how the liquids settled?

A. Petrol
B. Milk
C. Water
D. Petrol

12. Which of the following is not a safety measure when dealing with electricity?
A. Not touching wires with wet hands
B. Not putting sticks, pencils and wires in sockets
C. Not using electricity to cook
D. Not overloading sockets

13. The diagram below shows a lever:

Which of the following levers belongs to the same group as the one shown above?
A. Crowbar, Scissors
B. Pliers, Scissors
C. Fishing, Sea saw
D. Bottle opener, Nutcracker

14. Which of the following statements is not a myth nor a misconception about HIV/AIDS?
A. AIDS can be cured
B. AIDS is caused by witchcraft
C. Healthy looking people cannot be suffering from HIV/AIDS
D. HIV/AIDS can infect anybody exposed to it

15. What is the function of the blood component shown below?

A. Carries digested food materials
B. Helps to carry oxygen from the lungs
C. Helps to fight and kill disease-causing germs
D. Helps in stopping the bleeding

16. Which of the planets is wrongly matched with its characteristics?
A. Jupiter - The largest of all
B. Earth - Has living things
C. Venus - The fourth placed in order from the sun
D. Mercury - Closest to the sun

17. Which one of the following is not a harmful effect of weeds?
A. Absorbs nutrients meant for crops
B. Compete with crops for space and sunlight
C. Take up moisture thereby reducing the amount available for crops
D. Some weeds feed on pests meant to attack crops

18. Which one of the following will pollute the environment the most?
A. Use of electricity as a fuel
B. Release of treated sewage to the rivers
C. Use of biogas as a fuel
D. Recycling used engine oil and using it to control weeds

19. Std. 7 boy made the circuit shown below by connecting two dry cells and bulb, the bulb did not light. This was because he

A. Used a burnt bulb
B. Used dead cells
C. Connected the wire wrongly
D. Placed the bulb on the wrong side

20. Which of the following describes the process of foetal development after fertilization?
A. Cell, Embryo, Zygote
B. Embryo, Baby, Zygote
C. Zygote, Embryo, Foetus
D. Zygote, Foetus, Embryo

21. What is the main function of the prop roots in a maize plant?
A. Absorb water and mineral salts
B. Absorb oxygen from air
C. Give extra support of the plant
D. Attach the plant to the soil
22. The diagram below shows an excretory organ

Name the parts marked W, Y and Z respectively
A. Epidermis, Dermis, Sweat glands
B. Epidermis, Dermis, Nerve endings
C. Sweat glands, Epidermis, Dermis
D. Nerve endings, Epidermis, Dermis

23. Which of the following is not among the main functions of the Amniotic fluid?
A. Cushions the foetus against sudden shock and knocks as the mother moves about
B. Allows the foetus to turn freely in the womb
C. Helps to protect the foetus from getting hurt when something presses the mother's body
D. Protects the foetus from poisoned digested food

24. Which of the following is not true during the process of birth?
A. Foetus turns around and faces its head to the cervix
B. The cervix dilates
C. Amniotic sac ruptures discharging the amniotic fluid
D. Contraction of the fallopian tubes begins the process of labour

25. Which of the following is a social effect of alcohol?
A. Causes stomach ulcers
B. Affects the nervous system
C. Drivers often cause accidents due to poor vision
D. Causes a serious disease of the liver

26. When a patient has kidney failure, which of the following is diagnosed as the result?
A. Blood from the lungs is not oxygenated
B. Blood is not purified
C. Waste matter is filtered from the blood
D. Blood vessels block the flow of blood

27. Which of the following is a reason why compost heap must be turned occasionally?
A. To kill the bacteria present
B. To help in proper aeration
C. To introduce bacteria which help in humus decay
D. To slow the process of decaying

28. Which of the following is not a measure to control livestock parasites?
A. Dehorning, calving
B. Drenching, dipping
C. Rotational grazing, deworming
D. Dipping, dosing

29. The following are functions of the placenta except one. Which one is it?
A. Movement of oxygen and food from mother to the foetus
B. Movement of carbon dioxide from foetus to the mother
C. Movement of food and oxygen from foetus to the mother
D. Connecting the embryo to the wall of the uterus

30. Which of the following shows the movement of urea?
A. Kidneys → Ureter → Bladder → Urethra
B. Kidneys → Urethra → Bladder → Ureter
C. Bladder → Urethra → Kidneys → Urethra
D. Bladder → Ureter → Kidneys → Urethra

31. The following are functions of the skin except
A. Synthesis vitamin D from the sun
B. Protect the inner organs
C. Cools the body
D. Absorbs water and mineral salts

32. The experiment below was done by Std. six pupils

Which of the following observations could not be made from the experiment above?
A. Water did not enter the glass
B. Water level dropped in the trough
C. Water entered in the glass
D. The candle went off after sometime

33. The following are characteristics of a certain type of soil erosion
(i) Occurs on a flat bare ground
(ii) The soil is carried away uniformly
Which of the following is true about the soil erosion described above?
A. Can be controlled by planting cover crops
B. It makes small shallow channels
C. It can be prevented by mulching
D. Can be easily noted

34. The following are stages of seed germination
(i) Radicle grows into a root
(ii) Seed swells up
(iii) Testa bursts open
(iv) Seed absorbs water
(v) Plumule comes out
Which of the following is the correct order?
A. i, ii, iii, iv, v
B. iv, ii, iii, v, i
35. Amanda saw an insect visiting a certain flower. Which of the following was the characteristics for pollination for the flower?
A. Small in size with dull petals
B. Anthers hanging out and loosely attached to the filament
C. Had nectary solution
D. Had light pollen grains

36. The state at which matter exists depend on two factors which ones are they?
A. Volume and pressure
B. Density and temperature
C. Heat and mass
D. Temperature and pressure

37. Which of the following is NOT a role played by plant roots?
A. Absorbing water and mineral salts
B. Anchoring the plant
C. Transporting water to the leaves
D. Storing food in some plants

38. The field pest shown below attacks and feeds on some crops by ______

A. Biting and chewing the leaves
B. Sucking juice from the leaves
C. Making holes in the stem
D. Gnawing grains

39. Which of the following parts of a flower produces female and male reproductive cells respectively?
A. Stigma, Anther
B. Ovary, Anther
C. Style, Filament
D. Ovary, Pollen tube

40. Which of the following is the main reason as to why vehicle tyres have treads?
A. Makes the tyre beautiful
B. Increases mass of the tyre
C. Reduces friction between the tyre and the road
D. Increases friction between the tyre and the ground

41. Which one of the following pairs of parasites attacks both poultry and rabbits?
A. Mites, Lice
B. Lice, Ticks
C. Mites, Fleas
D. Ticks, Mites

42. Which of the following stages of HIV infection is wrongly matched with its characteristics?
A. Window - Person tests HIV negative
B. Incubation - HIV presence is noted
C. Full blown - Opportunistic infections attacks
D. Symptomatic - Infected person looks healthy

43. The newborn baby experiences a shock during birth making the baby cry. This is due to ______
A. being pinched by the nurses
B. the cutting of the umbilical cord
C. abrupt change in temperature
D. the crowd of people visiting the baby

44. What percentage of air is converted in the root nodules of leguminous plants to form nitrates?
A. 78%   B. 0.05%
C. 21%   D. 0.97%

45. Adolescents boys and girls can prevent HIV infection by practising one of the following. Which one is it?
A. Having regular blood transfusion
B. Marrying at an early age
C. Being faithful to multiple partners
D. Maintaining abstinence from sexual relations

46. Which of the following is true on a wind vane?
A. The arrow always points to where the wind is coming from
B. The tail is smaller than the arrow
C. The arrow always points to where the wind is blowing to
D. It measure the speed of wind

47. The following are symptoms of a deficiency disease
(i) Pale skin
(ii) Constant tiredness
(iii) Rapid heartbeat
Which deficiency disease is described above?
A. Anaemia       B. Kwashiorkor
C. Marasmus      D. Rickets

48. During a visit to the railway station std 5 pupils realized there are gaps left between rails, they asked their science teacher the reason as to why gaps were left. Which reason did their science teacher give?
A. To allow contraction of the rails
B. To limit the speed of the train
C. To help the train in making a turn
D. To allow room for expansion

49. Which of the following is not a way of preventing water borne diseases?
A. Wash foods eaten raw thoroughly with water
B. Vaccination in case of an outbreak
C. Wear protective clothing when handling stagnant water
D. Avoid overcrowded areas

50. Which one of the following is a list of storage pests only?
A. Rats, Weevils, Termites
B. Moths, Aphids, Mites
C. Beetles, Stalk borers, Aphids
D. Rats, Aphids, Stalk borers