

GRADE 7 MID TERM 2 MAY 2022

SCIENCE

TARGETER WINGS STANDARD SEVEN - YEAR 2022



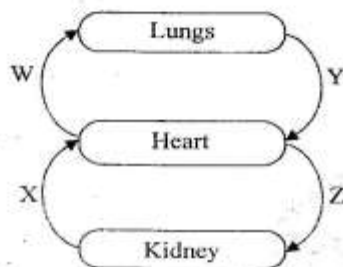
CONTINUOUS ASSESSMENT TEST

SCIENCE



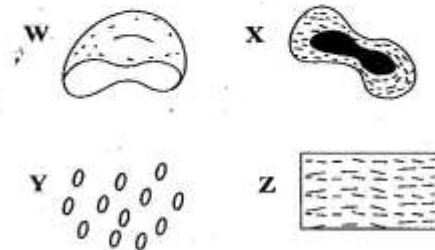
TIME: 1hr 40 mins

- The following describe incisor tooth **except** one. Which one is it?
A. Has one root.
B. Is chisel shaped.
C. Used for cutting.
D. It is sharp and pointed.
- The diagram below shows a simplified blood circulatory system



- Which pair of vessels labelled above carries oxygenated blood?
- W and Y
 - W and X
 - X and Z
 - Y and Z
- Which of the following are both modern methods of preserving food?
A. Canning and use of honey.
B. Use of low temperature and drying.
C. Smoking and use of low temperatures.
D. Salting and drying.
 - In human circulatory system, the valves are found in the
A. veins and capillaries
B. veins and heart
C. veins and arteries
D. arteries and capillaries.

- The diagrams below show the components of blood

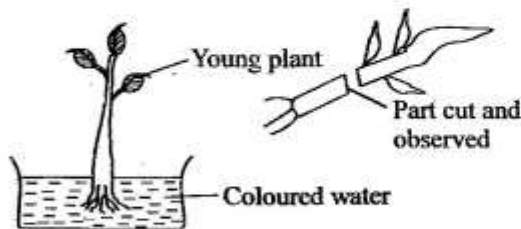


- Which one of the above is responsible for transporting digested foods?
- X
 - Z
 - W
 - Y
- A beam balance is used to
A. compare masses of different objects
B. compare volumes of different objects
C. compare force acting on different objects
D. compare weights of different objects.
 - Which among the following drugs is illegal when abused?
A. Tobacco. B. Khat.
C. Bhang. D. Alcohol.
 - A child with sores at the corners of the mouth also has
A. wasted muscles B. shortness of breath
C. protruding stomach D. bow legs.
 - The diagram below shows a blood vessel



- Which statement is **not** true about the above blood vessel?
- It has a thin wall which is less elastic.
 - Blood flows at low pressure.
 - It transports deoxygenated blood only.
 - It carries blood towards the heart.

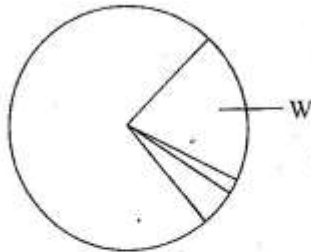
10. A certain drug when abused has the following effects
 (i) Memory loss
 (ii) Stammering
 (iii) Breathing problems
 (iv) Staggering
 The drug described above is likely to be
 A. cocaine B. khat
 C. heroin D. mandrax.
11. During fertilization in plants, a pollen tube is formed in the
 A. pollen grains
 B. stigma
 C. style
 D. ovary.
12. When animals are fed to molasses and wheat bran, they get nourished with
 A. carbohydrates
 B. vitamins
 C. proteins
 D. mineral.
13. Which among the following is an opaque object?
 A. Kerosene. B. Milk.
 C. Windscreen. D. Oiled paper.
14. Which among the following is **not** a rotational method of grazing?
 A. Herding.
 B. Tethering.
 C. Strip grazing.
 D. Paddock.
15. Std. 5 learners uprooted a young plant and dipped it in coloured water as shown below.



- After some hours they cut and observed the stem. What were they investigating?
 A. Absorption in plants.
 B. Transpiration in plants.
 C. Reproduction plants.
 D. Photosynthesis in plants.

16. Which one of the following effects of abusing drugs is a social effect?
 A. Loss of concentration.
 B. Addiction.
 C. Blurred vision.
 D. Truancy.
17. HIV is transmitted through all the following ways **except**
 A. through sexual intercourse
 B. sleeping with an infected person
 C. through breast milk.
 D. from infected mother to a child during birth.
18. The best method of preventing the spread of TB is through
 A. vaccination.
 B. avoiding crowded places.
 C. staying in well ventilated room.
 D. maintaining proper sanitation.
19. A windsock is used to
 A. show direction and strength of wind
 B. show the direction the wind is blowing from
 C. show the direction the wind is blowing from and its pressure
 D. show the temperature of wind.
20. Air breathed in is cleaned and warmed in the
 A. mouth
 B. nose
 C. lungs
 D. diaphragm.
21. All the following substances have definite shape and volume **except**
 A. chalkdust
 B. glue
 C. ice
 D. piece of wood.
22. All the following are effects of noise pollution **except** one. Which one?
 A. Deafness.
 B. Irritates people in hospitals.
 C. Causes mental illness.
 D. Caused ringing in ears.

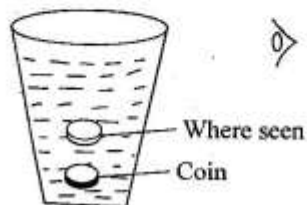
23. The pie chart below shows the composition of air in the atmosphere



- Which one of the following is **not** a function of the gas that is labelled W? Used in
- A. burning B. fire extinguishers
C. breathing D. germination.
24. The type of soil erosion that forms small holes on the ground is called
- A. sheet erosion
B. splash erosion
C. gulley erosion
D. rill erosion.
25. The component of the soil being investigated below is



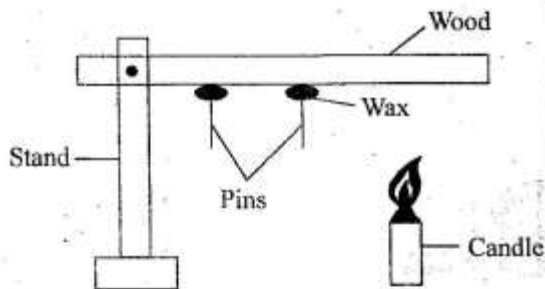
- A. water B. air
C. organic matter D. living things.
26. The absorption of water and minerals in the digestive system takes place in the
- A. mouth B. stomach
C. small intestines D. large intestines.
27. A coin placed at the bottom of a glass appears raised as shown



- This is due to
- A. dispersion B. refraction
C. reflection D. bouncing of light.

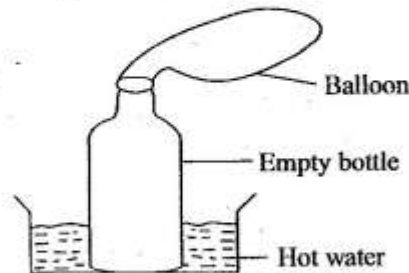
28. Non-conductors of heat are used in making
- A. handles of cooking utensils
B. cooking pans
C. electrical cables
D. cooking sufurias.
29. Which among the following pairs consists of major components of the environment?
- A. Water and light.
B. Plants and animals.
C. Buildings and light.
D. Air and sound.
30. Which one of the following plants can make its own food but does not reproduce by means of flowers?
- A. Cactus.
B. Bracket tree.
C. Pine.
D. Mushrooms.
31. Three of the following plants have a taproot system. Which one does **not**?
- A. Blackjack.
B. Acacia.
C. Cabbage.
D. Millet.
32. The planet nearest to the earth in the solar system is
- A. mars B. jupiter
C. mercury D. venus.
33. Which one of the following stages of HIV infection does a person test positive but shows no signs or symptoms?
- A. Symptomatic.
B. Asymptomatic.
C. Fullblown.
D. Window stage.
34. Which one of the following uses of water is an industrial use?
- A. Drinking.
B. Irrigation.
C. Making products.
D. Surfing.
35. Among the following effects of heat on matter, which ones require an increase in temperature in order to take place?
- A. Melting and freezing.
B. Melting and evaporation.
C. Freezing and condensation.
D. Condensation and evaporation.

36. When the heart of a mammal contracts, blood in the right ventricle is forced out
 A. through the pulmonary artery.
 B. through the aorta.
 C. into the left auricle.
 D. through pulmonary vein.
37. The state of an object to remain stationary or in motion unless force acts on it is called
 A. rest B. inertia
 C. force D. gravity.
38. Which among the following is **not** a myth and a misconception about HIV and AIDS?
 A. AIDS does not exist.
 B. AIDS is as a result of witchcraft.
 C. AIDS only affects immoral people.
 D. HIV and AIDS are not the same.
39. Study the diagram below and answer the question that follows



- The wax melted and pins fell through
 A. convection only
 B. conduction only
 C. convection and radiation
 D. conduction and convection.
40. Which one of the following weeds has green and purple leaves?
 A. Oxalis.
 B. Pigweed.
 C. Wandering jew.
 D. Blackjack.
41. Which among the following factors does **not** affect floating and sinking of an object?
 A. Material. B. Shape.
 C. Size. D. Weight.
42. The best tool to use when cutting wood is
 A. saw B. hammer
 C. an axe D. jembe.

43. Which one of the following is **not** a special sound?
 A. Screaming. B. Shouting.
 C. Car hooting. D. Fire engine siren.
44. A snake moves by
 A. gliding B. slithering
 C. crawling D. sliding.
45. The diagram below shows a set-up to investigate an aspect of matter.



- Which of the following is likely to occur after sometime?
 A. Air enters the balloon.
 B. Heat enters the balloon.
 C. Water enters the balloon.
 D. The balloon contracts.
46. Which pair of farm animals produces meat and dairy?
 A. Goat and sheep.
 B. Cow and sheep.
 C. Sheep and pigs.
 D. Cow and goat.
47. Which pair of crops below provides oil?
 A. Coconut and sunflower.
 B. Maize and millet.
 C. Sisal and flax.
 D. Avocado and beans.
48. Which one of the following is **not** a natural source of light?
 A. Glow worm B. Sun.
 C. Candle D. Fire flies.
49. The soil that has cracks when dry also
 A. has smooth texture
 B. has best drainage
 C. is good for farming
 D. has poor water retention.
50. The male sex cells are produced in the
 A. urethra B. penis
 C. testis D. scrotum.