



Myfuture CBC Revision

Integrated Science - Grade 7

Question Paper

1. Which device is used to measure electrical current flowing through a circuit?

- A. Voltmeter
- B. Ammeter
- C. Scale
- D. Microscope

2.of harmful substances may result from swallowing poisonous chemicals.

- A. ingestion
- B. digestion
- C. scald
- D. burn

3. The method of separation of mixtures depends on the following except?

- A. Melting point
- B. Components to be recovered
- C. Physical properties of the substances
- D. State of matter

4. Weak acids have a pH value ranging from?

- A. 4 to 6
- B. 1 to 2
- C. 8 to 14
- D. 7 to 14

5. ---- is not part of a microscope.

- A. eyepiece
- B. base
- C. body tube
- D. eye limb

6. What is the property of attracting iron and some other materials?

- A. Gravitation
- B. Friction
- C. Repulsion
- D. Magnetism

7. Which of the following devices is commonly used to demonstrate static electricity by producing sparks?

- A. Television
- B. Light bulb
- C. Van de Graaff generator
- D. Microwave oven

8.holds the objective lenses in place.

- A. mirror
- B. revolving nose piece
- C. clip
- D. coarse adjustment knob

9. A..... has a large generator that is driven by steam.

- A. Geothermal power plant
- B. Wind power
- C. HEP
- D. Solar panel

10. If you accidentally wear contact lenses in the lab, what should you do?

- A. Borrow someone else's glasses
- B. Tell the teacher
- C. Not wear goggles
- D. Not tell anyone

11. Which one is not a pathway in senior school?

- A. Health sciences
- B. Social sciences
- C. STEM
- D. Art and Sport science

12. ---- is measured in newtons.

- A. Length
- B. Weight
- C. Mass
- D. Area

13. What happens when two balloons are brought together before they were rubbed?

- A. I don't know
- B. They attracted
- C. They repelled
- D. Nothing

14. What happens when salt and water are mixed together?

- A. White precipitation
- B. The mixture appears non-uniform
- C. The mixture appears uniform
- D. Nothing

15. What happens to the pH value when an acid is added to water?

- A. pH increases
- B. pH fluctuates
- C. pH remains constant
- D. pH decreases

16. What is the SI unit of magnetic field strength?

- A. Tesla
- B. Newton
- C. Volt
- D. Joule

17. If a glass plate is placed over a magnet and iron filings are sprinkled over the glass, a pattern will be visible. What does this pattern indicate?

- A. The piezoelectric effect
- B. The chemical reaction of the magnet and the filings
- C. The magnetic field
- D. The electrostatic field

18. Which laboratory instrument is used to measure temperature?

- A. Measuring cylinder
- B. Thermometer
- C. Beaker
- D. Bunsen burner

19. Which of the following are kidney disorders?

- A. Kidney failure and Marasmus
- B. Nephritis and kidney failure
- C. Kidney stones and Anaemia
- D. Nephritis and tuberculosis

20. Why are apparatus used to measure volume made of glass or plastic?

- A. To save money
- B. To reduce them
- C. Transparency
- D. for easier use

21. What happens when two objects with opposite charges are brought close together?

- A. They explode
- B. Nothing happens
- C. They repel each other
- D. They attract each other

22. What is the final step in the scientific method?

- A. Form a hypothesis
- B. Conduct experiments
- C. Share results
- D. Make a conclusion

23. Which of the is a basic solution?

- A. Lemon juice
- B. Phenolphthalein
- C. Baking powder
- D. Distilled water

24. Identify weak bases.

- A. Sodium chloride and sodium hydroxide
- B. Liquid soap and orange juice
- C. Calcium hydroxide and baking powder solution
- D. Sodium chloride and water

25. Which mixture separation method would work with picking up nails?

- A. sorting physically
- B. filtration
- C. magnet
- D. boiling/evaporation

26. There are two types of flames. Which are these ?

- A. Bright yellow and pale blue
- B. Luminous and non-luminous
- C. Toxic and non-toxic
- D. Flammable and non-flammable

27. Which mixture separation method would use to separate sugar from water?

- A. magnet
- B. sorting physically
- C. boiling/evaporation
- D. filtration

28. Convert 350cm into SI unit.

- A. 0.35 km
- B. 3.5 km
- C. 35 m
- D. 3.5 m

29. The embryo develops to become a.....

- A. Baby
- B. Zygote
- C. Foetus
- D. Egg

30. Which mixture separation method uses a net?

- A. boiling/evaporation
- B. sorting physically
- C. filtration
- D. magnet

31. What is the function of the placenta during pregnancy?

- A. Transport sperm
- B. Exchange of nutrients and waste
- C. Produce hormones
- D. Develop eggs

32. Which of the following is NOT a way to transfer static electricity?

- A. Friction
- B. Induction
- C. Radiation
- D. Conduction

33. Why is it important to have a control group in an experiment?

- A. To make the experiment more complicated
- B. To eliminate variables
- C. To compare the results to no treatment
- D. To increase the cost of the experiment

34. Which substance is reabsorbed by the kidneys back into the bloodstream during urine formation?

- A. Glucose
- B. Urea
- C. Water
- D. Salt

35.is the measure of duration.

- A. length
- B. watch
- C. thermometer
- D. time

36. Below are health related careers except?

- A. Public health
- B. Nursing
- C. Mechanical engineer
- D. Therapy

37. -----is the degree of coldness or hotness of a body.

- A. temperature
- B. length
- C. kilometre
- D. mass

38. Which of the following are weak acids?

- A. Calcium hydroxide and Orange juice
- B. Lemon juice and sodium hydroxide
- C. Distilled water and Calcium hydroxide
- D. Lemon juice and Orange juice

39.is the movement of electricity from one point to another through an electric circuit.

- A. Voltage
- B. Electric current
- C. Current
- D. Charges

40. Which one is not a safety measures while dealing with static charges?

- A. Fitting tall structures with lightning arrestors
- B. Carry flammable liquids in metallic containers
- C. Shake containers with flammable liquids.
- D. Avoid touching rotating parts of machines to avoid electrical shock.

41. The following are basic quantities except.....

- A. length
- B. time
- C. area
- D. mass

42. What is the measure of how much a substance dissolves in a given volume?

- A. solubility
- B. Area
- C. atom
- D. element

43. What color does phenolphthalein turn in the presence of a base?

- A. Green
- B. Yellow
- C. Red
- D. Purple

44. Which of the following is true of a bar magnet?

- A. The south pole is stronger than the north pole.
- B. The north pole is stronger than the south pole.
- C. Its magnetic field is strongest near its center.
- D. It is surrounded by a magnetic field.

45. Define Area.

- A. quantity of matter in it
- B. distance between two points
- C. length multiply by width
- D. A measure of surface

46. Which of the following is a common example of static electricity in everyday life?

- A. Battery operation
- B. Lightning strikes
- C. Tidal energy
- D. Solar power

47. -----is the quantity of matter in an object.

- A. length
- B. candelabra
- C. mass
- D. mole

48.is the movement of electricity from one point to another through an electric circuit.

- A. electric current
- B. time
- C. mole
- D. shock

49. Matter can be found in form of.....

- A. Gas and Solid only
- B. Solid,liquid and gas
- C. Liquid and solid only
- D. Solid only

50. What is Integrated Science?

- A. a multidisciplinary field that combines knowledge and methods from various sciences,
- B. the study of the development, structure, and functioning of human society.