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| **ANGELWINGS COMPREHENSIVE COLLEGE, MAROKO, PW, KUBWA, ABUJA** | |
| **SECOND TERM EXAMINATION 2024/2025 ACADEMIC SESSION** | |
| **SUBJECT: Basic Science and Technology** | **CLASS: GRADE FIVE** |

1. \_\_\_\_\_ is a chemical substance that can react with other materials (a) base (b) acid (c) basic

2. Acids are used specially in \_\_\_\_\_ (a) farm (b) Laboratory (c) kitchen

3. In human stomach, there is an acid called \_\_\_\_\_ acid (a) hydrogen (b) hydrochloric (c) hydraulic

4. One of the following is not a type of acid (a) organic acids (b) unorganic acids (c) inorganic

5. \_\_\_\_\_ is a form of energy that flows from one place to another (a) Acid (b) Heat (c) temperature

6. \_\_\_\_\_ is the degree of hotness or coldness of substance (a) Thermometer (b) Anorometer (c) Temperature

7. \_\_\_\_\_ causes change in degree of temperature (a) Heat (b) Temperature (c) Thermometer

8. Metric unit of measurement of heat is called \_\_\_\_\_ (a) Celsius (b) kelvin (c) calories

9. Temperature is measured in \_\_\_\_\_ (a) Celsius (b) joule (c) calories

10. \_\_\_\_\_ are chemical substances that react with acid to form salt and water only (a) acid (b) Base (c) caustic soda

11. \_\_\_\_\_ is not a type of base (a) organic base (b) alkalis base (c) Insoluble base

12. \_\_\_\_\_ type of base are soluble in water (a) organic base (b) alkalis base (c) Insoluble base

13. One of the properties of base is that it has \_\_\_\_\_ (a) bitter taste (b) sweet taste (c) Sour taste

14. \_\_\_\_\_ is not a similarity between acids and bases (a) both are corrosive (b) both neutralise to form salt (c) both has sour taste

15. \_\_\_\_\_ is a standard instrument used for measuring temperature (a) Thermometer (b) Hydrometer (c) Barometer

16. \_\_\_\_\_ Thermometer is not a type of Thermometer (a) resistance (b) asteroid (c) clinic

17. The chemical reaction of caustic potash or caustic soda with vegetable oil and animal fat is called \_\_\_\_\_ (a) separatification (b) formalition (c) saponification

18. \_\_\_\_\_ soap is not example of soft soap (a) bar (b) liquid (c) antiseptic

19. Basically, there are \_\_\_\_\_ types of soap (a) 3 (b) 4 (c) 2

20. The unit of measuring temperature on the kelvin scale is \_\_\_\_\_ (a) K (b) C (c) K

21. \_\_\_\_\_ scale is the most commonly used temperature scale (a) kelvin (b) Celsius (c) Fahrenheit

22. \_\_\_\_\_ is the lower fixed point on a Fahrenheit scale (a) 52F (b) 212 F (c) 32F

23. Kelvin scale ranges from \_\_\_\_\_ (a) 273K to 373K (b) 274 to 373K (c) 373K to 283

24. Local soap is made from the following except \_\_\_\_\_ (a) palm oil (b) Alkali source (c) sodium

25. \_\_\_\_\_ is not an example of alkali source (a) plantain husks (b) black husks (c) palm bunch

26. The 4th step in making local soap, does not require boiling of the water and the ash mixture (a) true (b) false (c) maybe

27. Soaps are useful at industry for washing industrial vans (a) true (b) false (c) sure

28. Soap should not be used when washing our hands (a) true (b) false (c) yes

29. Soaps are useful in industry for washing cooking utensils (a) true (b) false (c) maybe

30. Local soap can not be used for bathing (a) true (b) false (c) sure

31. \_\_\_\_\_ are insects or animals that cause damage to plants or supply of food (a) pest (b) bees (c) bugs

32. \_\_\_\_\_ is not an example of pest (a) beetle (b) caterpillar (c) goat

33. Plants or animals that lives in or on other plants or animals and feed on them is called \_\_\_\_\_ (a) parasites (b) Host (c) pestle

34. One of the following is not example of a parasite (a) worms (b) fly (c) tick

35. \_\_\_\_\_ is not a type of parasite (a) endo- parasite (b) ecto-parasite (c) incto-parasite

36. \_\_\_\_\_ parasites lives in the body of the animal (a) endo- parasite (b) ecto-parasite (c) incto-parasite

37. Electricity is a form of \_\_\_\_\_\_ energy (a) Mechanical (b) Kinetic (c) Electrical

38. Electricity is the flow or movement of free \_\_\_\_\_\_\_\_ (a) protons (b) electrons (c) neutrons

39. \_\_\_\_\_ type of electricity involves the free electrons gathered at one position (a) power electricity (b) static electricity (c) light electricity

40. The type of electricity generated as a result of the movement of free electrons in chemical substances and metals is called \_\_\_\_\_\_\_ (a) stable electricity (b) static electricity (c) current electricity

41. \_\_\_\_\_\_ is not a method of generating electricity (a) magnetic method (b) chemical method (c) physical method

42. Materials that allow electricity to pass through them are called \_\_\_\_\_\_\_ (a) conductors (b) non- conductors (c) insulators

43. \_\_\_\_\_\_ is not a classification of rocks (a) age (b) colour (c) sand

44. Limestone is used in the manufacture of \_\_\_\_\_\_\_\_ (a) sweets (b) sugar (c) cement

45. \_\_\_\_\_ is not an example of sedimentary rocks (a) Sandstone (b) Limestone (c) plaststone

46. \_\_\_\_ and \_\_\_ are types of bases (a) soluble and insoluble (b) acid and water (c) water and alkaline

47. \_\_\_\_\_ is the reaction between caustics soda and oil which results in the formation of soap (a) saponification (b) esterification (c) ionization

48. \_\_\_\_\_\_ discovered that electricity could be produced by using magnet (a) Isaac Newton (b) Michael Faraday (c) Edem Hogan

49. \_\_\_\_\_ is an example of a non-conductor of electricity (a) plastic (b) water (c) metals

50. \_\_\_\_ is a pathway through which an electric current travels (a) electric circuit (b) electric line (c) electric installation

**Section A**

1. \_\_\_\_\_ and \_\_\_\_\_ are types of electricity

2. Another name for non-conductor is \_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_ and \_\_\_\_\_\_ are examples of igneous rock

4. \_\_\_\_\_ is the changed form of igneous or sedimentary rocks

5. The three types of rocks are \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_

**Section B**

1. State three differences between heat and temperature

2. State three uses of bases

3. Mention three characteristics of rocks

4. Mention three physical properties of acid

5. Mention three types of thermometer