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

1. A magnet is a piece of \_ that can attract small pieces of metal (a) wood (b) iron (c) plastic

2. Which material is attracted by a magnet? (a) Brass (b) Silver (c) Iron

3. Unlike poles of two magnets will \_ each other (a) attract (b) repel (c) ignore

4. Like poles of two magnets will \_ each other (a) attract (b) repel (c) join

5. The greatest attracting region of a magnet is the \_ (a) middle (b) poles (c) sides

6. Magnets can lose magnetism if subjected to \_ conditions (a) favorable (b) unfavorable (c) normal

7. Heating a magnet strongly can cause it to lose its \_ (a) color (b) magnetism (c) shape

8. Dropping a magnet repeatedly can cause it to lose its \_ (a) weight (b) magnetism (c) size

9. A magnet has a \_ around it (a) electric field (b) magnetic field (c) force field

10. A magnetic field is a region where magnetic \_ are felt (a) sounds (b) effects (c) light

11. A permanent magnet can turn magnetic materials into \_ magnets (a) stronger (b) temporary (c) non-magnetic

12. Magnets that easily lose their magnetism are called \_ magnets (a) permanent (b) strong (c) temporary

13. Temporary magnets are made of \_ iron (a) hard (b) soft (c) pure

14. Permanent magnets can retain their magnetism for a \_ time (a) short (b) long (c) brief

15. Permanent magnets are made of \_ (a) steel (b) plastic (c) wood

16. Materials that can be attracted by a magnet are called \_ materials (a) non-magnetic (b) magnetic (c) soft

17. Which of these is a magnetic material? (a) Wood (b) Nickel (c) Rubber

18. Which of these is a non-magnetic material? (a) Cobalt (b) Steel (c) Plastic

19. Magnets are used for separating \_ materials (a) non-magnetic (b) magnetic (c) all

20. Compasses are instruments that help navigators find their \_ (a) food (b) direction (c) sleep

21. Magnets can be found in Electric \_ (a) bells (b) lights (c) heaters

22. Large magnets can be used to lift heavy \_ objects (a) wooden (b) metallic (c) plastic

23. Magnets are used in the production of Electric \_ (a) Current (b) Heat (c) Light

24. Which of these is a method of making a magnet? (a) Boiling method (b) Electrical method (c) Freezing method

25. In the electrical method, a steel bar is placed inside a long coil called a \_ (a) resistor (b) solenoid (c) capacitor

26. The coil in the electrical method is made of insulated \_ wire (a) aluminum (b) copper (c) silver

27. In the induction method, a material is placed near a \_ magnet (a) temporary (b) bar (c) weak

28. In the stroking method, a steel bar is stroked repeatedly with one end of a \_ (a) hammer (b) magnet (c) ruler

29. Demagnetisation is the process of removing \_ effects from a magnet (a) physical (b) magnetic (c) chemical

30. Dropping a magnet repeatedly can \_ it (a) strengthen (b) demagnetize (c) clean

31. Heating a magnet very hard can \_ it (a) magnetize (b) demagnetize (c) cool

32. Passing an alternating current through a magnet can \_ it (a) charge (b) demagnetize (c) polish

33. Hammering one end of a magnet can \_ it (a) bend (b) demagnetize (c) paint

34. Air is the invisible mixture of \_ that surround the earth (a) liquids (b) solids (c) gases

35. Air is made up of different gases like nitrogen and \_ (a) hydrogen (b) oxygen (c) helium

36. Air helps objects float because air is less \_ than water (a) dense (b) heavy (c) thick

37. Which of these floats because it traps air? (a) Stone (b) Boat (c) Coin

38. Wind power helps boats move as \_ movement propels them (a) water (b) air (c) land

39. Air pressure plays a role in \_ (a) suction (b) heating (c) freezing

40. A drinking straw uses \_ pressure to draw liquids (a) water (b) air (c) ground

41. Air is essential for \_ (a) sleeping (b) breathing (c) eating

42. Air regulates air \_ (a) speed (b) temperature (c) color

43. Air supports \_ patterns (a) cooking (b) weather (c) sleeping

44. Compressed air is used in \_ tools (a) hand (b) pneumatic (c) garden

45. Air Conditioning systems control temperature and \_ (a) light (b) humidity (c) sound

46. Air is used to dry products like food and \_ (a) metals (b) textiles (c) stones

47. Air movement is crucial for maintaining healthy indoor air \_ (a) quality (b) speed (c) pressure

48. Marching is usually associated with \_ troops (a) civilian (b) military (c) animal

49. Galloping is the fastest pace of a \_ (a) dog (b) cat (c) horse

50. Hopping is the act of jumping with \_ foot (a) two (b) one (c) three

Section B

1. What material is a magnet made of? \_\_\_\_\_\_\_\_\_

2. What kind of materials are attracted by magnets? \_\_\_\_\_\_\_\_\_

3. What instrument helps navigators find direction? \_\_\_\_\_\_\_\_\_

4. What is the fastest pace of a horse? \_\_\_\_\_\_\_\_\_

5. What gas is essential for breathing? \_\_\_\_\_\_\_\_\_

Section C

1. Name one property of a magnet.

2. What is a temporary magnet made of?

3. List one use of magnets.

4. State one method of making a magnet.

5. What is one importance of air?