

1. _____ is the shortest distance between the initial and final positions of a body.
 - a) Distance b) Kinetic c) Displacement d) Direction
2. Speed of a vehicle is measured by _____.
 - a) Galvanometer b) Ammeter c) Speedometer d) Voltmeter
3. Velocity is a _____ quantity.
 - a) Scalar b) Vector c) Interval d) Equal
4. Unit of distance in C.G.S. System is _____.
 - a) Millimeter b) Centimeter c) Kilometer d) Meter
5. If the speed of the particles changes with time, then the body is said to be moving with _____.
 - a) Uniform speed b) Variable speed
 - c) Average speed d) None of the above
6. _____ deals with bodies at rest under the action of forces.
 - a) Statics b) Temperature c) Kinematics d) Kinetic
7. _____ is defined as the ratio of the total distance travels to the total time taken by the particle.
 - a) Average speed b) Displacement
 - c) Distance d) All the above
8. _____ helps in continuity of generation.
 - a) Propagation b) Reproduction
 - c) Preservatives d) Pasteurization
9. _____ method leads to an increase in genetic diversity.
 - a) Natural pollination b) Deficiency
 - c) Artificial pollination d) All the above
10. Cutting and Grafting is an example of Artificial methods of _____ propagation.
 - a) Vegetative b) Non-Vegetative c) Biological d) Chemical
11. How many methods of reproduction are their in plants?
 - a) Three b) Two c) One d) Five
12. _____ is a mode of seeds, when mature, explode forcefully releasing seeds at a distance from original plant.
 - a) Ballistic seed dispersal b) Layering c) Budding d) Grafting

13. Anything that occupies space and mass is _____.
 - a) Molecule b) Mixture c) Matter d) Force
14. Water (H₂O), Carbondioxide (CO₂) are the exampleS of _____.
 - a) Elements b) Compounds
 - c) Matter d) None of the above
15. Elements in which each molecule contains two atoms are said to be _____ elements.
 - a) Monoatomic b) Triatomic c) Diatomic d) Polyatomic
16. The force of attraction between the molecules of two different substances are called as _____ forces.
 - a) Cohesive force b) Adhesive force
 - c) Kinetic force d) Frictional force
17. Matter made up of different types of molecules can be separated by _____ methods.
 - a) Physical b) Chemical c) Composition d) Distillation
18. Constituents of _____ mixtures are uniformly distributed.
 - a) Heterogenous b) Compounds c) Elements d) Homogenous
19. A molecule of hydrogen is made up of two atoms and hence its atomicity is _____.
 - a) One b) Three c) Two d) Four
20. Molecules of matter that are made up of small tiny particles are called as _____.
 - a) Atoms b) Molecules c) Mixture d) Pure substances
21. In pure substances, matter is made up of _____ molecules.
 - a) Different b) Identical c) Mixture d) Metals
22. Molecules made up of two or more different types of atoms are called as _____.
 - a) Elements b) Mixture c) Compounds d) None of the above
23. Artificial cross pollination of _____ is very common in the field of agriculture.
 - a) Rice b) Maize c) Wheat d) Barley
24. Sexual reproduction in _____ involves the process of meiosis.
 - a) Animals b) Birds c) Plants d) None of the above
25. Bulb, Tuber and Runner is the part of _____ in the Natural propagation.
 - a) Root b) Stem c) Leaf d) None of the above

26. A _____ is a group or collection of objects or numbers.
 a) Matrix b) Set c) Cardinal number d) None of these
27. The elements of sets are written inside the closed shape. This type of representation is called a _____ diagram.
 a) Venn b) Geometrical c) Alphabetical d) None of these
28. The symbol _____ represents subset
 a) \cap b) \cup c) \subset d) \supset
29. _____ is the unique set having no elements.
 a) Empty set b) Universal set c) Complement set d) Disjoint set
30. An empty set is denoted by _____
 a) \cup b) \emptyset c) C d) \cap
31. A _____ set consists of all the elements.
 a) Universal b) Null c) Sub d) Complement
32. Which set is the subset of every set?
 a) Universal set b) Complement set c) Subset d) Empty set
33. If $A = \{a, h, q, r, s, t\}$ and $B = \{a, b, c, s\}$ then which of the following is true _____
 a) $A \cup B = \emptyset$ b) $n(A) = 8$ c) $B \subset A$ d) $B \not\subset A$
34. If $P = \{1, 2, 5\}$ then number of subsets of P is _____
 (a) 8 b) 3 c) 6 d) None
35. If $S = \{1, 3, 5, 7, 9\}$ and $I = \{2, 4, 6, 8, 0\}$ then $S \cup I$ is _____
 a) $\{1, 3, 5, 7, 9, 2, 4, 6, 8\}$ b) $\{1, 2, 3, 4, 6, 7, 8, 9, 0\}$
 c) $\{1, 2, 3, 4, 5, 6, 7, 9, 0\}$ d) $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 0\}$
36. The symbol for union of 2 sets _____
 a) \cap b) \cup c) \subset d) \emptyset
37. The complement set of A is indicated as _____.
 a) A b) [A] c) $n(A)$ d) None of these
38. If $u = \{a, b, c, d, e, f\}$ $x = \{d, e, f\}$ the complement of x is _____.
 a) $\{a, b\}$ b) $\{b, c\}$ c) $\{a, b, c\}$ d) $\{a, b, c, d\}$
39. If $A = \{x, y, z\}$ and $B = \{1, 2\}$ then $A \cup B =$ _____
 a) $\{x, y, z\}$ b) $\{x, z, 1\}$ c) $\{x, y, z, 1, 2\}$ d) $\{1, x, y, z, z\}$
40. If $x = \{2, 3, 4, 5, 6\}$ cardinal number $n(x) =$ _____
 a) 5 b) 4 c) 6 d) 8

41. Nepal launched its first satellite Nepalist-1 from US on _____.
 a) 19th April 2019 b) 18th April 2019
 c) 29th April 2019 d) 9th April 2019
42. The first female astronaut in NASA's is _____.
 a) Priyanka Dubey b) Jerrie Cobb
 c) Jewish d) Sally Kristen Ride
43. Indian Space Research Organisation (ISRO) has launched _____ for school children
 a) Young Ramanujan Programme b) NSO
 c) HSO d) Young Scientist Programme
44. _____ is the first city to launch 24x7 pollution charge zone.
 a) Germany b) London c) America d) Australia
45. _____ is the first satellite launched in to space from NASA
 (Hint – Srilanka)
 a) Mangalyaan b) Chandrayan-1 c) Aryabhata d) Raavana-1
46. Knives and Spoon on the _____ side of the plate.
 a) Left b) Right c) Centre d) None of the above
47. Keep your _____ off the table when food is on.
 a) Fingers b) Centre c) Elbows d) All the above
48. Talk _____ with others.
 a) Pleasant things b) Angry things
 c) Irritate things d) Unpleasant things
49. Place your knife and fork in the _____ position when you finished the food.
 a) 3: 20 b) 6: 20 c) 4: 20 d) 5: 20
50. Eat your food _____.
 a) Fastly b) Very fastly c) Very slowly d) Slowly