

GENIUS HIGH SCHOOL :: BHUVANAGIRI
PERIODIC TEST - II

Subject :General Science
Class : IX

Marks :40
Time : 1 ½ Hrs

SECTION-A

10 x 1 = 10 M

1. The Numerical ratio of displacement and distance for a moving object is _____ ()
a) always less than 1 b) always equal to 1
c) always more than 1 d) equal or less than 1
2. Speedometer is a device which is used to measure _____ ()
a) Average speed b) average acceleration
c) instantaneous speed d) instantaneous acceleration
3. Slope of a velocity-time graph gives ()
a) the distance b) the displacement
c) the acceleration d) the speed
4. The gravitational force causes ()
a) tides b) motion of moon
c) none of them d) both a&b
5. The mass of a body on moon is 40kg, what is the weight on the earth. ()
a) 240kg b) 392N
c) 240N d) 400kg
6. The Symbol of cadmium is ()
a) ca b) cu
c) cm d) cd
7. All noble gas molecules are ()
a) monoatomic b) diatomic
c) triatomic d) both a&b
8. Number of moles present in 28g of nitrogen atoms are ()
a) 1 mole b) 0.5 mole
c) 3 moles d) 2 moles
9. Brass is a ()
a) compound b) element
c) heterogeneous mixture d) homogeneous mixture
10. Barometer measures ()
a) pressure b) atmospheric pressure
c) wind velocity d) gaseous pressure

SECTION-B

10 x 1=10M

11. Anemometer measures ()
a) amount of haemoglobin in blood b) pollination of plant by the wind
c) wind resistance d) wind speed
12. 1 carat of diamond is equal to ()
a) 200mg b) 200g
c) 100mg d) 100g
13. The ball is thrown up, the value of 'g' will be ()
a) zero b) positive
c) negative d) negligible
14. The distance between two bodies becomes 6 times more than the usual distance. The F becomes ()
a) 36 times b) 6 times
c) 12 times d) 1/36 times
15. a body of mass 1 kg is attracted by the earth with a force which is equal to ()
a) 9.8N b) 6.67 m/s
c) 1 N d) 9.8 m/s
16. Newton's law of gravitation applies to ()
a) small bodies only b) plants only
c) all bodies irrespective of their size d) for solar system

17. In a sugar solution, ()
 a) sugar is solute, water is solvent b) sugar is solvent, water is solute
 c) both are solutes d) both are solvents
18. Thermometer is an instrument that measures ()
 a) temperature of substance b) heat of substance
 c) radiation of substance d) flow energy in a substance
19. A large ship can float, but a steel needle sinks, because of ()
 a) mass b) volume
 c) density d) none of these
20. Which of the following is a pure substance? ()
 a) air b) distilled water
 c) steel d) brass

SECTION-C

10 x 1=10M

21. Pascal is a unit of ()
 a) pressure b) force
 c) linear momentum d) energy
22. If more force is required to bring a body into a unit acceleration, the body has ()
 a) less mass b) zero mass
 c) more mass d) mass is independent of force
23. Percentage of calcium in calcium carbonate is ()
 a) 40 b) 30
 c) 48 d) 36
24. Which of the following represents 12 u? ()
 a) mass of 1 hydrogen atom b) mass of ^{12}C atom
 c) mass of ^{16}O atom d) $1/12^{\text{th}}$ of mass of ^{12}C atom
25. The chemical symbol for sodium is ()
 a) So b) Sd
 c) Na d) Na
26. What do we get by the product of mass and velocity ()
 a) force b) inertia
 c) momentum d) newton
27. Speed in specified direction is called ()
 a) displacement b) velocity
 c) momentum d) deceleration
28. When a train comes to rest, then the acceleration is ()
 a) positive b) negative
 c) maximum d) none of these
29. If an ant completes one circular motion, then the displacement is ()
 a) positive b) negative
 c) zero d) none of these
30. When the net force acting on a body is zero, the body is in ____ ()
 a) motion b) rest
 c) equilibrium d) none

SECTION-D

10x1=10M

31. Which of the following makes a change its shape? ()
a) cold temperature b) high pressure
c) high force d) none of the above
32. Which of the following can be separated by fractional distillation? ()
a) carbon b) water
c) oxygen d) soil
33. The method through which denser particles are separated from lighter particles by spinning ()
a) fractional distillation b) evaporation
c) crystallization d) centrifugation
34. One of the following example is a colloid ()
a) blood b) sugar solution
c) chalk powder in water d) muddy water
35. Which of the following can be obtain in a best way by crystallization technique ()
a) butter b) common salt
c) camphor d) petroleum
36. Identify the odd one out ()
a) burning of candle b) freezing of water
c) plant growth d) rusting of iron
37. Which of the following is best suited for summer season ()
a) tight woolen clothing b) loose cotton clothing
c) polyester clothing d) tight silk clothing
38. The temperature of a city was recorded to be 32 degree celsius. What will be its value on the kelvin scale? ()
a) 305K b) 241K
c) 337K d) 9K
39. The rate of diffusion depends on ()
a) temperature b) wind speed
c) humidity d) all of these
40. The temperature measured on kelvin scale called _____ ()
a) max temperature b) min temperature
c) absolute temperature d) none of these