



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 7****Subject : PHYSICAL
SCIENCE****Term : FINAL TERM****Max Marks : 80****Q 1 :** Boiling point of alcohol is**Marks : 1**

1. 100°C
2. 78°C
3. 110°C
4. none of these

 (This Answer is Correct)**Q 2 :** Boiling point of toluene is is**Marks : 1**

1. 100°C
2. 110°C
3. 80°C
4. none of these

 (This Answer is Correct)**Q 3 :** Chromatography is based on the principle of**Marks : 1**

1. absorption
2. adsorption
3. sublimation
4. none of these

 (This Answer is Correct)**Q 4 :** Method to separate ammonium chloride from a mixture of ammonium chloride and chalk**Marks : 1**

1. magnetic separation
2. sublimation
3. chromatography
4. none of these

 (This Answer is Correct)**Q 5 :** Method to separate water from a mixture of water and sand**Marks : 1**

1. magnetic separation
2. distillation
3. chromatography
4. none of these

 (This Answer is Correct)

Q 6 : Method to separate benzene from toluene

Marks : 1

1. magnetic separation
2. sublimation
- 3. fractional distillation**
4. none of these

(This Answer is Correct)

Q 7 : Latin name of Potassium

Marks : 1

1. Plumbum
2. Ferrum
- 3. Kalium**
4. Argentum

(This Answer is Correct)

Q 8 : Latin name of silver

Marks : 1

1. Plumbum
2. Ferrum
3. Kalium
- 4. Argentum**

(This Answer is Correct)

Q 9 : Aurum is the Latin name for

Marks : 1

1. Argon
2. Tin
3. Silver
- 4. Gold**

(This Answer is Correct)

Q 10 : Phosphorus is

Marks : 1

1. Diatomic
2. Triatomic
- 3. Tetraatomic**
4. none of these

(This Answer is Correct)

Q 11 : Bromine is

Marks : 1

1. Monoatomic
2. Octaatomic
- 3. Diatomic**
4. Triatomic

(This Answer is Correct)

Q 12 : Ozone is **Marks : 1**

1. Monoatomic
2. Diatomic
- 3. Triatomic** (This Answer is Correct)
4. Tetraatomic

Q 13 : Sulphur is **Marks : 1**

1. Monoatomic
2. Diatomic
3. Triatomic
- 4. none of these** (This Answer is Correct)

Q 14 : Valency of Potassium **Marks : 1**

1. 5
2. 3
- 3. 1** (This Answer is Correct)
4. none of these

Q 15 : The standard unit of area in SI system is **Marks : 1**

1. km^2
2. mm^2
3. cm^2
- 4. m^2** (This Answer is Correct)

Q 16 : Formula for area of a circle with radius r **Marks : 1**

1. $2\pi r$
2. πr^3
- 3. πr^2** (This Answer is Correct)
4. $\frac{1}{2} \pi r^3$

Q 17 : Density of a regular solid **Marks : 1**

- 1. mass/volume** (This Answer is Correct)
2. mass \times volume
3. mass \times area
4. none of these

Q 18 : $1 \text{ g/cm}^3 =$ **Marks :** 1

1. 10 kg/m^3
2. 100 kg/m^3
3. 1000 kg/m^3 (This Answer is Correct)
4. none of these

Q 19 : If a substance of mass 25 g has a volume of 10 cm^3 , its density is **Marks :** 1

1. 2500 kg/m^3 (This Answer is Correct)
2. 2.5 kg/m^3
3. 2500 g/cm^3
4. 250 g/cm^3

Q 20 : Density of copper **Marks :** 1

1. 1000 kg/m^3
2. 2700 kg/m^3
3. 8900 kg/m^3 (This Answer is Correct)
4. none of these

Q 21 : Density of air is **Marks :** 1

1. 2 kg/m^3
2. 1.2 kg/m^3 (This Answer is Correct)
3. 2.1 kg/m^3
4. none of these

Q 22 : Energy possessed by an object by virtue of its position or a change in shape **Marks :** 1

1. kinetic energy
2. potential energy (This Answer is Correct)
3. sound energy
4. none of these

Q 23 : Geysers is an example of **Marks :** 1

1. electrical energy into mechanical energy
2. sound energy into electrical energy
3. light energy into electrical energy
4. electrical energy into heat energy (This Answer is Correct)

Q 24 : Thermal power stations is

Marks : 1

- 1 . electrical energy into mechanical energy
- 2 . heat energy into electrical energy**
- 3 . electrical energy into heat energy
- 4 . sound energy into electrical energy

(This Answer is Correct)

Q 25 : Dry cells while they are being used is an example of

Marks : 1

- 1 . electrical energy into mechanical energy
- 2 . heat energy into mechanical energy
- 3 . electrical energy into chemical energy
- 4 . chemical energy into electrical energy**

(This Answer is Correct)

Q 26 : Solar cells is an example of

Marks : 1

- 1 . electrical energy into solar energy
- 2 . solar energy into electrical energy**
- 3 . solar energy into sound energy
- 4 . none of these

(This Answer is Correct)

Q 27 : During the movement of bob in a simple pendulum

Marks : 1

- 1 . sound energy changes to potential energy
- 2 . heat energy changes to kinetic energy
- 3 . potential energy changes to kinetic energy**
- 4 . none of these

(This Answer is Correct)

Q 28 : Which of the following is an example of conversion of electrical energy into magnetic energy?

Marks : 1

- 1 . photosynthesis
- 2 . solar cell
- 3 . electromagnets**
- 4 . none of these

(This Answer is Correct)

Q 29 : When an object falls from a height, the energy changes from

Marks : 1

- 1 . kinetic energy to potential energy
- 2 . potential energy to kinetic energy**
- 3 . chemical energy to light energy
- 4 . solar energy to electrical energy

(This Answer is Correct)

Q 30 : The ray of light which is reflected back into the same medium after striking a surface **Marks : 1**

- 1 . incident ray
- 2 . refracted ray
- 3 . reflected ray** (This Answer is Correct)
- 4 . none of these

Q 31 : The angle between the incident ray and the normal at the point of incidence **Marks : 1**

- 1 . angle of reflection
- 2 . angle of incidence** (This Answer is Correct)
- 3 . angle of refraction
- 4 . none of these

Q 32 : Instrument used for producing colourful patterns **Marks : 1**

- 1 . microscope
- 2 . kaleidoscope** (This Answer is Correct)
- 3 . beam balance
- 4 . none of these

Q 33 : Speed of light in vaccum is **Marks : 1**

- 1 . 2×10^8 m/s
- 2 . 3×10^8 m/s** (This Answer is Correct)
- 3 . 3×10^8 cm/s
- 4 . none of these

Q 34 : In colour subtraction, White - Red = **Marks : 1**

- 1 . Cyan** (This Answer is Correct)
- 2 . Green
- 3 . Blue
- 4 . none of these

Q 35 : The increase in the surface area of a solid when heated is **Marks : 1**

- 1 . cubical expansion
- 2 . linear expansion
- 3 . superficial expansion** (This Answer is Correct)
- 4 . none of these

Q 36 : Which of the following liquids is not used in thermometers

Marks : 1

- 1 . mercury
- 2 . alcohol
- 3 . water**
- 4 . all of these

(This Answer is Correct)

Q 37 : Poor absorbers are

Marks : 1

- 1 . good reflectors**
- 2 . poor reflectors
- 3 . never reflectors
- 4 . none of these

(This Answer is Correct)

Q 38 : Smoke is a mixture of

Marks : 1

- 1 . soot and air**
- 2 . oil and water
- 3 . sand and salt
- 4 . none of these

(This Answer is Correct)

Q 39 : Chalk + water is

Marks : 1

- 1 . heterogeneous mixture**
- 2 . homogeneous mixture
- 3 . not a mixture
- 4 . none of these

(This Answer is Correct)

Q 40 : The symbol of Argon

Marks : 1

- 1 . A
- 2 . An
- 3 . As
- 4 . Ar**

(This Answer is Correct)

Q 41 : The symbol of Silicon

Marks : 1

- 1 . S
- 2 . Sn
- 3 . Ag
- 4 . Si**

(This Answer is Correct)

Q 42 : The symbol of cadmium

Marks : 1

- 1 . C
- 2 . Cm
- 3 . Ca
- 4 . Cd**

(This Answer is Correct)

Q 43 : The periodic table contains

Marks : 1

- 1 . 18 groups**
- 2 . 20 periods
- 3 . 7 groups and 18 periods
- 4 . none of these

(This Answer is Correct)

Q 44 : The smallest part of an element that takes part in a chemical reaction

Marks : 1

- 1 . valency
- 2 . atomicity
- 3 . mixture
- 4 . atom**

(This Answer is Correct)

Q 45 : The combining capacity of an element with other elements is

Marks : 1

- 1 . atom
- 2 . atomicity
- 3 . valency**
- 4 . none of these

(This Answer is Correct)

Q 46 : The three dimensional space occupied by a substance

Marks : 1

- 1 . volume**
- 2 . mass
- 3 . time
- 4 . none of these

(This Answer is Correct)

Q 47 : When liquids are poured into a measuring cylinder, their surface forms a curve, known as

Marks : 1

- 1 . volume
- 2 . meniscus**
- 3 . density
- 4 . none of these

(This Answer is Correct)

Q 48 : Mercury form **Marks :** 1

- 1 . no meniscus
- 2 . concave meniscus
- 3 . convex meniscus** (This Answer is Correct)
- 4 . none of these

Q 49 : The quantity of mass contained in a given volume of a substance is **Marks :** 1

- 1 . weight
- 2 . density** (This Answer is Correct)
- 3 . area
- 4 . force

Q 50 : Distance travelled by an object per unit time **Marks :** 1

- 1 . speed** (This Answer is Correct)
- 2 . length
- 3 . area
- 4 . none of these

Q 51 : The CGS unit of density is **Marks :** 1

- 1 . g/cm³** (This Answer is Correct)
- 2 . kg/m³
- 3 . g/m³
- 4 . none of these

Q 52 : 1000 L = **Marks :** 1

- 1 . 1000 cm³
- 2 . 1000 m³
- 3 . 1 m³** (This Answer is Correct)
- 4 . none of these

Q 53 : The source of energy which gets exhausted with use is known as **Marks :** 1

- 1 . renewable source
- 2 . non-renewable source** (This Answer is Correct)
- 3 . sun
- 4 . none of these

Q 54 : The natural band of colours formed in the atmosphere is **Marks : 1**

- 1 . refractive index
- 2 . periscope
- 3 . rainbow (This Answer is Correct)
- 4 . none of these

Q 55 : The process in which a substance changes from the vapour state into its liquid state on cooling at a constant temperature is **Marks : 1**

- 1 . melting
- 2 . freezing
- 3 . sublimation
- 4 . condensation (This Answer is Correct)

Q 56 : No medium is necessary to transfer heat for **Marks : 1**

- 1 . radiation (This Answer is Correct)
- 2 . convection
- 3 . conduction
- 4 . none of these

Q 57 : Steel contains **Marks : 1**

- 1 . iron + carbon + manganese (This Answer is Correct)
- 2 . iron + zinc
- 3 . carbon + copper + oxygen
- 4 . none of these

Q 58 : Stainless steel contains **Marks : 1**

- 1 . iron + chromium + nickel (This Answer is Correct)
- 2 . iron + zinc
- 3 . copper + carbon + oxygen
- 4 . none of these

Q 59 : Brass contains **Marks : 1**

- 1 . copper + zinc (This Answer is Correct)
- 2 . carbon + oxygen
- 3 . boron + sulphur

4 . none of these

Q 60 : Formula of calcium chloride

Marks : 1

- 1 . CaCl
- 2 . Ca₂Cl
- 3 . CaCl₂**
- 4 . CaC

(This Answer is Correct)

Q 61 : Formula of nitric acid is

Marks : 1

- 1 . HN
- 2 . HNO
- 3 . HNO₃**
- 4 . N₂OH

(This Answer is Correct)

Q 62 : Formula of baking soda

Marks : 1

- 1 . BSO₄
- 2 . BaSoD
- 3 . NaHCO₃**
- 4 . Na₂SO₄

(This Answer is Correct)

Q 63 : Mg₃N₂ is

Marks : 1

- 1 . manganese nitrite
- 2 . magnesium nitrate
- 3 . manganese nitride
- 4 . magnesium nitride**

(This Answer is Correct)

Q 64 : AlCl₃ is

Marks : 1

- 1 . aluminium chlorate
- 2 . aluminium chromate
- 3 . aluminium carbide
- 4 . aluminium chloride**

(This Answer is Correct)

Q 65 : The valencies of copper

Marks : 1

- 1 . 2, 3, 4
- 2 . 1, 2**

(This Answer is Correct)

- 3 . 1, 3, 5
4 . none of these
-

Q 66 : The valencies of lead

Marks : 1

- 1 . 1, 2, 3
2 . 2, 4
3 . 1, 2, 3, 4
4 . none of these

(This Answer is Correct)

Q 67 : The atomic number of nitrogen

Marks : 1

- 1 . 5
2 . 7
3 . 10
4 . 15

(This Answer is Correct)

Q 68 : The atomic number of sodium

Marks : 1

- 1 . 11**
2 . 13
3 . 15
4 . 19

(This Answer is Correct)

Q 69 : Formula of sodium hydroxide

Marks : 1

- 1 . NaOH**
2 . SOH
3 . SH
4 . none of these

(This Answer is Correct)

Q 70 : Formula of zinc oxide

Marks : 1

- 1 . ZnO₂
2 . Zn₂O
3 . ZO
4 . ZnO

(This Answer is Correct)

Q 71 : Valency of chromate

Marks : 1

- 1 . 1

(This Answer is Correct)

2 . 2

3 . 3

4 . 4

Q 72 : Valency of dichromate**Marks :** 1

1 . 1

2 . 2

3 . 3

4 . 4

 (This Answer is Correct)

Q 73 : Valency of cyanide**Marks :** 1

1 . 1

2 . 2

3 . 3

4 . 4

 (This Answer is Correct)

Q 74 : Valency of chlorate**Marks :** 1

1 . 1

2 . 2

3 . 3

4 . 4

 (This Answer is Correct)

Q 75 : The formula for volume of a sphere with radius r**Marks :** 11 . πr^2 2 . πr^3 3 . $2\pi r$ 4 . $\frac{4}{3} \pi r^3$ (This Answer is Correct)

Q 76 : 1 calorie is equal to**Marks :** 1

1 . 1.3 joule

2 . 2.0 joule

3 . 3.9 joule

4 . 4.186 joule

 (This Answer is Correct)

Q 77 : From the laws of reflection, for a plane mirror, angle of incidence _____ angle of reflection**Marks :** 1

(This Answer is Correct)

- 1 . is equal to
 - 2 . is greater than
 - 3 . is less than
 - 4 . none of these
-

Q 78 : The distance of an object from the plane mirror is

Marks : 1

- 1 . equal to the distance of its image from the mirror
- 2 . less than the distance of its image from the mirror
- 3 . more than the distance of its image from the mirror
- 4 . none of these

 (This Answer is Correct)

Q 79 : If a ray of light is incident perpendicularly on a plane mirror, the angle of incidence will be

Marks : 1

- 1 . 180°
- 2 . 90°
- 3 . 100°
- 4 . 0°

 (This Answer is Correct)

Q 80 : Water contracts on being heated from

Marks : 1

- 1 . 10°C to 40°C
 - 2 . 0°C to 4°C
 - 3 . 100°C to 110°C
 - 4 . none of these
-

 (This Answer is Correct)