



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 7****Subject : PHYSICAL  
SCIENCE****Term : FIRST TERM****Max Marks : 60****Q 1 :** Which of the following device converts chemical energy in to electrical energy ?**Marks : 1**

- 1 . Battery
- 2 . Loud Speaker
- 3 . Solercell
- 4 . Electric Motor

 ( This Answer is Correct )**Q 2 :** Energy which creates a sensation of vision is**Marks : 1**

- 1 . Light energy
- 2 . heat energy
- 3 . Chemical Energy
- 4 . Potential energy

 ( This Answer is Correct )**Q 3 :** \_\_\_\_ produces sound energy using electrical energy**Marks : 1**

- 1 . electric bell
- 2 . battery
- 3 . refrigerator
- 4 . electric bulb

 ( This Answer is Correct )**Q 4 :** Electric oven converts**Marks : 1**

- 1 . Chemical energy ito heat energy
- 2 . heat into chemical energy
- 3 . heat into electrical energy
- 4 . electric energy into heat energy

 ( This Answer is Correct )**Q 5 :** Capacity of doing work is termed as**Marks : 1**

- 1 . Pressure
- 2 . Energy
- 3 . Force
- 4 . Displacement

 ( This Answer is Correct )

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**Q 6 :** What do we call a change form one form of energy to another

**Marks :** 1

- 1 . energy
- 2 . Energy transformation**
- 3 . Kinetic Energy
- 4 . Potential Energy

( This Answer is Correct )

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**Q 7 :** Which of these is an example of potential energy

**Marks :** 1

- 1 . a car
- 2 . battery**
- 3 . a fan
- 4 . none of these

( This Answer is Correct )

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**Q 8 :** A windmill is an example of

**Marks :** 1

- 1 . thermal energy
- 2 . mechanical energy**
- 3 . light
- 4 . electrical

( This Answer is Correct )

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**Q 9 :** Which of the following devices transforms electrical into mechanical energy ?

**Marks :** 1

- 1 . a fan**
- 2 . a manual pencil sharpner
- 3 . I pod
- 4 . none of these

( This Answer is Correct )

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**Q 10 :** A ball rolling on the ground possesses

**Marks :** 1

- 1 . Kinetic energy**
- 2 . potential energy
- 3 . no energy
- 4 . heat energy

( This Answer is Correct )

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**Q 11 :** The sum of potential energy and kinetic energy is

**Marks :** 1

- 1 . Electrical
- 2 . Mechanical**
- 3 . Chemical
- 4 . Heat energy

( This Answer is Correct )

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**Q 12 :** Which energy is used by plants for photosynthesis ?

**Marks :** 1

- 1 . magnetic
- 2 . Nuclear**
- 3 . solar
- 4 . Hydro energy

( This Answer is Correct )

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**Q 13 :** Which one shows lateral inversion ?

**Marks :** 1

- 1 . Convex mirror
- 2 . plane mirror**
- 3 . concave mirror
- 4 . All & these

( This Answer is Correct )

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**Q 14 :** Splitting of white light into seven colours is called

**Marks :** 1

- 1 . Reflection of light
- 2 . Rectilinear propagation
- 3 . Refraction
- 4 . Dispersion**

( This Answer is Correct )

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**Q 15 :** What is a real image ?

**Marks :** 1

- 1 . It cannot be captured on a screen
- 2 . It can be captured on a screen**
- 3 . it can be captured on rough surface
- 4 . it is a always magnified

( This Answer is Correct )

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**Q 16 :** Smooth surface \_\_\_\_\_ a lot of light

**Marks :** 1

- 1 . reflect**
- 2 . bend
- 3 . absorb
- 4 . Twist

( This Answer is Correct )

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**Q 17 :** \_\_\_\_\_ is a form of energy that we can see with our eyes

**Marks :** 1

- 1 . Shadow
- 2 . light**
- 3 . energy
- 4 . reflection

( This Answer is Correct )

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**Q 18 :** Is sugar is a **Marks :** 1

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

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**Q 19 :** What is made up two or more elements that are chemically combined ? **Marks :** 1

- 1 . Element
- 2 . Mixture
- 3 . Compound**  ( This Answer is Correct )
- 4 . solids

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**Q 20 :** The air is a \_\_\_\_\_ **Marks :** 1

- 1 . element
- 2 . mixture**  ( This Answer is Correct )
- 3 . compound
- 4 . energy

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**Q 21 :** Diamond is the Example of **Marks :** 1

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

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**Q 22 :** Compounds are different than elements because compounds are **Marks :** 1

- 1 . Combination of two or more elements**  ( This Answer is Correct )
- 2 . made from same types of atoms
- 3 . a pure substance
- 4 . none of these

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**Q 23 :** Carbondioxide is an example of a **Marks :** 1

- 1 . Element
- 2 . Compounds**  ( This Answer is Correct )
- 3 . mixture
- 4 . non of these

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**Q 24 :** The colour produced by mixing any two primary colour are called

**Marks :** 1

- 1 . Basic Colour
- 2 . Secondary Colours**
- 3 . Primary Colours
- 4 . none of these

( This Answer is Correct )

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**Q 25 :** The Energy possessed by a body due to its position is called

**Marks :** 1

- 1 . Kinetic energy
- 2 . Potential energy**
- 3 . mechanical energy
- 4 . electrical energy

( This Answer is Correct )

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**Q 26 :** The sum of potential and kinetic energy is

**Marks :** 1

- 1 . Electrical Energy
- 2 . Mechanical Energy**
- 3 . Chemical Energy
- 4 . Heat Energy

( This Answer is Correct )

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**Q 27 :** Water stored in a tank at the roof of a house has

**Marks :** 1

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

( This Answer is Correct )

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**Q 28 :** Identify the kind of energy possessed by a running athlete

**Marks :** 1

- 1 . Potential energy
- 2 . Kinetic Energy**
- 3 . Sound Energy
- 4 . Electrical energy

( This Answer is Correct )

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**Q 29 :** What is the energy of motion that depends on speed and mass ?

**Marks :** 1

- 1 . Energy
- 2 . Kinetic energy**
- 3 . Potential Energy
- 4 . Chemical Energy

( This Answer is Correct )

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**Q 30 :** Which is not a renewable energy source ?

**Marks :** 1

- 1 . coal
- 2 . wind
- 3 . solar
- 4 . water

( This Answer is Correct )

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**Q 31 :** Steam is an example of \_\_\_\_ energy

**Marks :** 1

- 1 . light
- 2 . thermal
- 3 . sound
- 4 . electrical

( This Answer is Correct )

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**Q 32 :** \_\_\_\_ cannot be created or destroyed

**Marks :** 1

- 1 . energy
- 2 . transformation
- 3 . motion
- 4 . pendulums

( This Answer is Correct )

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**Q 33 :** Cooking gas converts \_\_\_\_ into heat energy

**Marks :** 1

- 1 . Chemical energy
- 2 . electrical
- 3 . Kinetic
- 4 . Light

( This Answer is Correct )

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**Q 34 :** The path of light is

**Marks :** 1

- 1 . always a straight line
- 2 . a curved line
- 3 . a zig-zag line
- 4 . depends on the medium

( This Answer is Correct )

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**Q 35 :** Change in the path of light after striking a mirror is called

**Marks :** 1

- 1 . Reflection of light
- 2 . Rectilinear propagation
- 3 . lateral inversions
- 4 . dispersion

( This Answer is Correct )

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**Q 36 :** When white light is passed into a prism it splits into

**Marks :** 1

- 1 . Seven Colours
- 2 . Eight Colour
- 3 . five colours
- 4 . three colours

( This Answer is Correct )

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**Q 37 :** Sun light is

**Marks :** 1

- 1 . Red In colour
- 2 . Blue in colour
- 3 . green in colours
- 4 . White in colour

( This Answer is Correct )

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**Q 38 :** What does refraction mean ?

**Marks :** 1

- 1 . bending of light
- 2 . bouncing of light
- 3 . dispersion
- 4 . none of these

( This Answer is Correct )

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**Q 39 :** What is the earth's primary source of light ?

**Marks :** 1

- 1 . moon
- 2 . sun
- 3 . waves
- 4 . fire

( This Answer is Correct )

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**Q 40 :** The angle of incidence is \_\_\_\_\_ to the angle of reflection

**Marks :** 1

- 1 . equal
- 2 . double
- 3 . half
- 4 . none of these

( This Answer is Correct )

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**Q 41 :** What cannot be broken down into other substances

**Marks :** 1

- 1 . Compound
- 2 . Mixture
- 3 . solids
- 4 . elements

( This Answer is Correct )

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**Q 42 :** Which of the following is an element ?

**Marks :** 1

- 1 . carbonic acid
- 2 . copper**
- 3 . and copper
- 4 . water

( This Answer is Correct )

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**Q 43 :** The things in a mixture always retain there \_\_\_\_

**Marks :** 1

- 1 . smell
- 2 . physical and chemical properties**
- 3 . shape
- 4 . colour

( This Answer is Correct )

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**Q 44 :** The smallest part of an element is

**Marks :** 1

- 1 . Proton
- 2 . atorn**
- 3 . compound
- 4 . mixture

( This Answer is Correct )

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**Q 45 :** Periscope is used in

**Marks :** 1

- 1 . submiarines**
- 2 . calculator
- 3 . solarcookers
- 4 . non of these

( This Answer is Correct )

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**Q 46 :** Which of the following is a primary colour ?

**Marks :** 1

- 1 . orange
- 2 . Magenta
- 3 . blue**
- 4 . none of these

( This Answer is Correct )

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**Q 47 :** Joule is a unit of

**Marks :** 1

- 1 . Energy**
- 2 . power
- 3 . momentum
- 4 . non of the above

( This Answer is Correct )



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**Q 48 :** When an object fall freely towards the ground then its total energy **Marks : 1**

- 1 . Increases
- 2 . Decreases
- 3 . Remains constant**  ( This Answer is Correct )
- 4 . First increases then decreases

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**Q 49 :** Washing machine converts **Marks : 1**

- 1 . electrical to chemical energy
- 2 . Chemical to sound energy
- 3 . Mechanical into electrical energy
- 4 . electrical energy to mechanical energy**  ( This Answer is Correct )

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**Q 50 :** What is the energy of position that depends on weight and height and are also called stored energy **Marks : 1**

- 1 . Energy
- 2 . Kinetic Energy
- 3 . Potensial Energy**  ( This Answer is Correct )
- 4 . Sound Energy

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**Q 51 :** When plants convert the sun's energy into food, which type of energy does the sun's energy become? **Marks : 1**

- 1 . Kinetic energy
- 2 . Chemical energy**  ( This Answer is Correct )
- 3 . thermal energy
- 4 . non of the above

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**Q 52 :** What type of potential energy provides the energy needed to burn wood ? **Marks : 1**

- 1 . Nuclear
- 2 . Chemical**  ( This Answer is Correct )
- 3 . Thermal
- 4 . Elastic

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**Q 53 :** A pendulum has the most kinetic energy when ? **Marks : 1**

- 1 . at the top of its swing
- 2 . at the bottom of its swing**  ( This Answer is Correct )
- 3 . not anywhere of its swing
- 4 . none of these

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**Q 54 :** When a bulb lights up on passing current the change of energy is **Marks : 1**

- 1 . from electrical to heat
- 2 . from electrical to light
- 3 . from electrical to heat and light energy**  ( This Answer is Correct )
- 4 . from electrical to mechanical energy

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**Q 55 :** The energy possessed and used by living beings is **Marks : 1**

- 1 . Sound energy
- 2 . Magnetic Energy
- 3 . Kinetic Energy
- 4 . Muscular Energy**  ( This Answer is Correct )

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**Q 56 :** Image formed by a plane mirror is **Marks : 1**

- 1 . virtual and erect**  ( This Answer is Correct )
- 2 . real and erect
- 3 . virtual and inverted
- 4 . real and inverted

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**Q 57 :** What is the nature of the propagation of light **Marks : 1**

- 1 . Curvilinear
- 2 . Rectilinear**  ( This Answer is Correct )
- 3 . Random
- 4 . Circular

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**Q 58 :** A ray of light is incident on a plane mirror at an angle of incidence of 30 degree what is the angle of reflection ? **Marks : 1**

- 1 . 30 degree**  ( This Answer is Correct )
- 2 . 60 degree
- 3 . 90 degree
- 4 . 120 degree

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**Q 59 :** The imaginary line perpendicular to a reflecting surface is called \_\_\_- **Marks : 1**

- 1 . crooked line
- 2 . parallel line
- 3 . angular line

( This Answer is Correct )

4 . normal line

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**Q 60 :** Salt Nacl is

**Marks :** 1

1 . Element

2 . compound

 ( This Answer is Correct )

3 . none of these

4 . mixture

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