**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-46

**Type of Task:** how force change

direction of motion

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | It observed that force decides the direction of motion as well as speed during motion. | The students will be able to understand rat force will change be magnitude of speed and decide direction. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-46

**Type of Task:** Direction of motion

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | The student will observe that force can change magnitude of speed and direction of motion. | How bodies speed up or slow desi ion with varying force action on them.  Understanding of effects of force | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-48

**Type of Task:** Relation b/w distance speed, and time.

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Calculation of average speed of a moving body | To convert distance in meter in to centimeter  To select a suitable scale according to given values conserved | **2** |
| **2** | Graphically, by knowing observing the values of distances transferred with time interrails | Drawing of graph  Calculation of average speed. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-48

**Type of Task:** Distance speed and time

**Level of SLO:** application

**Task:**  To calculate average speed

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Calculation of average speed of a moving bod by knowing the values of distances traveled with the respect to time taken. | to observe different values of distances travelled with specific time infer vales.  To draw plot a distance time graph.  Calculate speed from graph | **5** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-49

**Type of Task:** to state SI unit of speed.

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To state SI unit of speed from units of distance and fine i.e., meter per second. | Understanding about different physical questions.  Discretion of a unit from other units  Understanding of speed, distance and time and relation between them. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-49

**Type of Task:** To State SI unit of speed

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Understanding of SI units of different of physical entities. | Knowledge of SI units of different physical of entities. | **1** |
| **2** | Understanding of formula of speed relation with distance and time | Understanding about physical equation. | **1** |
| **3** | To state unit of speed from its relation with distanced and time. | How the unit of a physical quality be stated from other physical quantities. | **1** |
| **4** | Knowledge about derived quantities. | **1** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-50

**Type of Task:** Average speed

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Determining the average speed from different values of distance and time by graphical meth. | Collection of required/ referent material  Taking neat observations of distance and time  Plotting graph on the graph paper  Calculation of average speed. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-50

**Type of Task:** Average speed

**Level of SLO:** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To define average speed. | Understanding about distance | **1** |
| **2** | To relate average speed with distance and time. | Understanding about time. | **1** |
| **3** | Determining the average speed. | Drawing a graph on the graph paper.  Understanding about the formula of average speed. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-51

**Type of Task:** long question

**Level of SLO** application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Calculation of distance from different values of speed and time taken. | Use of relation between distance speed and time.  Interpret distance from speed time graph using area method.  Distance is the product of speed and time. | **5** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-51

**Type of Task:** Long question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To understand low distance various with time. | Speed and time graph can be used to calculated distance. | **2** |
| **2** | Understanding about shapes of graph during rest uniform motion and nonuniform motion. | To observe the unit of distance.  States rest uniform motion and nonuniform motion can be observed from graphs. | **3** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-52

**Type of Task:** Activity

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Students will be able to observe those forces which have connection with bodies. | To differentiate the forces acting on objects having either physical contact with them or not. | **2** |
| **2** | Students will be able to observe the forces which act on object without any physical connection contact. | Examples of contact and noncontact forces. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-52

**Type of Task:** Group Activity

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (3)** |
| --- | --- | --- | --- |
| **1** | Knowing about the forces between objects when these is physical contact between them. | Understanding of types of forces. | **2** |
| **2** | Knowing about the forces between objects when there is even no any physical contact between them. | Forces exist between objects either they have or not physical contact between them. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  08

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-53

**Type of Task:** Activity

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To understand that every action has a reaction | To know that action and reaction are force. | **1** |
| **2** | To understand that action and reaction have equal magnitudes (values) but opposite directives. | Action and reaction have directions (opposite) | **1** |
| **3** | To understand that action and reaction are on two different bodies. | Forces, action and reaction occur in pairs. | **1** |
| **4** | Action and reaction don’t balance each other. | Examples of action and reaction. | **1** |

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 08

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-53

**Type of Task:** long Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Define actioned reaction.  Explain action and reaction. | Difference between action and reaction. | **3** |
| **2** | Write the names of situations moving action and reaction. | Examples of action and reaction. | **1** |

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**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-36

**Type of Task:** Activity

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To observe that Waves transfer energy. | To define wave.  Types of waves | **3** |
| **2** | Waves require medium for their production | Waves don’t transport matter  Waves transfer energy. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-36

**Type of Task:**  Question

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To understand that vibrating bodies produce waves | Understanding about different material medium | **1** |
| **2** | To understand that waves require medium for their production. | Waves are produced by disturbing the particles of medium  Waves transfer energy. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-37

**Type of Task:** Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Understanding about the difference between mechanical and non-mechanical waves. | Both waves don’t transfer matter  Both waves transfer energy. | **1** |
| **2** | To Know that mechanical waves cannot pass through vacuum. | Only mechanical waves required medium  Examples of mechanical and electromagnetic waves. | **3** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-37

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To know about types of waves. | Different types. | **2** |
| **2** | To understand that waves may or not pass through vacuum. | Sound from sun cannot be heard on earth. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-38

**Type of Task:** Activity

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Understanding the terms relating to transverse and length lutidine waves | Difference between transverse and longitudinal waves. | **2** |
| **2** | To understand that one crest and one crest and one through is one wave. | To know particles of medium either vibrate along or perpendicular to the direction of propagation of waves. | **2** |
| **3** | To understand that one waves include one compression and one rarefaction. | Different examples of transverse and longitudinal waves. | **1** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-38

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To understand types of waves by observing the motion of particles of the medium. | Difference between transverse and longitudinal waves.  Understanding about different of portions of waves. | **3** |
| **2** | To know that in waves particles of the medium may vibrate along or perpendicular to the direction of propagation of wave. | Examples of transverse and longitudinal waves. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-39

**Type of Task:** Activity

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Understanding about mechanical and non-mechanical waves. | Define mechanical waves.  Define non-mechanical waves. | **2** |
| **2** | Some wave required medium and other not for their propagation. | Which waves can and can’t pass through vacuum. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-39

**Type of Task:** Long Question

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Define mechanical waves and write their examples | To understand that medium is required for mechanical waves | **2** |
| **2** | Define electromagnetic waves i.e., non-mechanical waves and write their examples | To understand that medium is not required for electromagnetic waves.  Enlist different mechanical and electromagnetic waves. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-40

**Type of Task:** Numerical

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Application of Formula  V=FA and T=1/f=1/no.of waves/time faqun | Understanding the relation between number of waves and time taken  Understanding of wave length of wave.  Understanding of V=FA | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-40

**Type of Task:**  Long Question

**Level of SLO:** knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Define the following  wave length  frequency  time period  also derive a relation between them. | Understanding of number of waves.  Understanding of number of waves passing through a point in unit time.  Understanding of relations  V=FA and F=1/T | **5** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-41

**Type of Task:** Activity

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Understanding of the following terms.  Pitch frequency  Amplitude | What is pitch  What is frequency  What is amplitude  How pitch frequency and amplitude are related to each other | **5** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-41

**Type of Task:**  Question

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Define pitch  Define frequency  Define amplitude | Identification of  Pitch, frequency, amplitude | **2** |
| **2** | How pitch and frequency are related  Do frequency has any relation with amplitude. | Difference between the voices of boy and gire. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-42

**Type of Task:** Long Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Understanding of factors effecting pitch and loudness | What is frequency.  What is amplitude  How pitch and frequency are related.  How amplitude and loudness are related | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-42

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To understand pitch depends upon frequency. | Understanding of factors which can after the pitch | **2** |
| **2** | To understand pitch is also affected by wave length and time period  Time period  To understand  Loudness varies  Directly with amplitude | Describe that loudness has no relation with pitch. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-43

**Type of Task:** Graphical analysis

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Understanding of amplitude and frequency | What is pitch  What is frequency  How pitch and frequency are related  How amplitude and laud-ness are related | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-43

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Understanding of the following term  Pitch and frequency  Loudness and amplitude | To define pitch  To define frequency  To define loudness  To define amplitude | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-

**Type of Task:** worksheet

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To describe frequency has inverse relation with time period. | What is time period?  What is frequency? | **2** |
| **2** | To describe that time period increases with decreasing frequency | Direction of frequency of number of waves and time taken are given. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-44

**Type of Task:**  Question

**Level of SLO:** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To explain frequency and time period | Knowledge of time period | **2** |
| **2** | To describe the of inverse relation between frequency and time period | Knowledge of frequency | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  09

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-45

**Type of Task:** MCQs

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To identify that thunderstorm is a storm characterized by the presence of lightning and its acoustic effect on the earth’s atmosphere | Understanding of lightning  Understanding of thunder  Understanding of difference between the speeds of light and sound` | **4** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-45

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Lightning is a discharge of electricity | Understanding about electric discharge | **1** |
| **2** | Heat causes the air to expand explosively fast | Understanding about het can cause imitation | **1** |
| **3** | The expansion creates a booming second wave, known as thunder | Understanding about:  Expansion of shock wave that turns into a booming sound wave, known as thunder. | **2** |

**Adnan Rasool**

**Reviewer Comments:**

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**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-28

**Type of Task:** Activity

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Transition of in the state of matter with heating. | Understanding of Solid  Understanding of liquid  Understanding of gas  Effect of temperature on matter molecules. | **5** |

**Adnan Rasool**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-25

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Difference between three states of matter | Knowledge about matter  Define solid.  Define liquid  Define gas | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-29

**Type of Task:** Worksheet

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| 1 | Is freezing a heat loss process | Concept of heat  How movement of molecule varies with heat change. | 3 |
| 2 | Does water gain heat during freeing | Understanding of freezing and melting with heat gain or heat loss? | 2 |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-29

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| 1 | Describe transfer of heat from one molecule to another. | Concept of matter | 2 |
| 2 | Describe matter changes its shape with heat | Effect of heat on the states of matter. | 2 |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-30

**Type of Task:** MCQS

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To describe the comparison of temperature scales. | Understanding of relations of temperature | **5** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-30

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| 1 | To describe different temperature scale. | What is temperature?  What is ice-point?  What | 1 |
| 2 | Inter conversion of different temperature. | Relations of temperature? |  |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-31

**Type of Task:** Long Question

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (6)** |
| --- | --- | --- | --- |
| 1 | To knew about the relation between molecular speeds and temperature. | Understanding of molecular theory.  Understanding of K-E.  How temperature is defined is K-E of molecules? | **6** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-31

**Type of Task:** long question

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (7)** |
| --- | --- | --- | --- |
| **1** | To Knew about the temperature with respect to K.E. of molecule. | What is heat.  K.E. of molecules.  Kinetic molecular theory | **4** |
| **2** | KMT explains the temperature. |  | **3** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-32

**Type of Task:** Long Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Molecules of metals respond quickly. | Understanding of particle model. | **2** |
| **2** | Metals possess less resistance. | Why metal road heats up quickly | **1** |
| **3** | Fluids possess more resistance. | Why plastic coating is done o the handles of cooking pots? | **2** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-32

**Type of Task:**  Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To knew about the inter mole cuter spacing of conductors and fluids. | What is conductor  What is fluid.  How conductors and fluids respond to cheat | **5** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-33

**Type of Task:** Long Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Under of three processes of heat transfer. | Define heat  Define processes. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-33

**Type of Task:** Short Question

**Level of SLO:** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To knew the difference between conduction convection and radiation. | Understanding of response of molecules to heat. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-34

**Type of Task:** Long Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To define  Thermal Expansion  Contraction | Understanding of heat.  Understanding of temperature | **3** |
| **2** | How area, length volume shape changes with temperature? | Thermal expansion and contraction | **2** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-34

**Type of Task:** Short Question

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | To know that length, area, volume and shape of a body can change with heating Temperature. | What is heat?  What is temperature  How dimensions of solid changes with temperature? | **5** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  10

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-35

**Type of Task:** Long Question

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To knew that why double-glazed window and doors are insulated? | Understanding of Phenomenon of reduction of heat transmission.  Daily life examples of the thermal insulation. | **4** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 10

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-35

**Type of Task:** Short Question

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | To knew about advantages of thermal insulation | What is insulation | **2** |
| **2** | Thermal insulation is necessary in some daily life processes. | Do insulations conduct health? | **2** |

**Adnan Rasool**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-1(i)

**Type of Task:** Activity

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Name various part of plants | Name parts of plants | **1** |
| **2** | Identify the part of the plant which is above and under the ground. | Which part of the plant is under the ground and above the ground? | **1** |
| **3** | Explain the purpose of the plant’s root and stem. | What is the purpose of plant’s root and stem? | **2** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-01(i)

**Type of Task:** work sheet

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Differentiate between roots and steams (physically & function) | Understanding about difference between roots and stums and their functions. | **2** |
| **2** | Describe the three main functions of roots. | Describe and write the three functions of roots understanding about three functions of roots. | **3** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-1(ii)

**Type of Task:** Activity

**Level of SLO** comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Compare the internal structure of root, stem and leaf. | Observation, and comparison material structure of root, stem and leaf. | **3** |
| **2** | Describe the internal structure of root, stem and leaf. | Understanding about internal structure of root stem and leaf. | **2** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-1(ii)

**Type of Task:** individual worksheet

**Level of SLO:** Understanding

**Task:** Worksheet

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (9)** |
| --- | --- | --- | --- |
| **1** | Label internal structure of root stem and leaf. | Knowledge about internal structure of root, stem leaf, labelling identifying | **9** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-02

**Type of Task:** Activity

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (6)** |
| --- | --- | --- | --- |
| **1** | Explain the role of xylem and phloem in transport of water and food in plants. | Prediction, comprehension, application | **03** |
| **2** | Assume what will happen to the flower  Change the colour  Nothing will happen |  | **03** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-02

**Type of Task:** activity

**Level of SLO:** application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Explain role/function of Xylem through demonstration | Organize and apply learned information to explain role of Xylem | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-03

**Type of Task:** Activity

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Explain the process of photosynthesis by labelling the diagram | Knowledge about photosynthesis | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-03

**Type of Task:**

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Describe knowledge about photosynthesis process | Knowledge about photosynthesis process | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-04

**Type of Task:** written task

**Level of SLO** comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (2)** |
| --- | --- | --- | --- |
| **1** | Predict what will happen to the plant cuttings which was grown with all minerals except magnesium. | Comprehension of the given concept. | **2** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-04

**Type of Task:**  work sheet

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Identity the correct answer on the given work sheet. | Comprehension of important of minerals in plant growth. | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-05

**Type of Task:** Activity

**Level of SLO** comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (8)** |
| --- | --- | --- | --- |
| **1** | Correct matching of each adaption with its purpose | Comprehension of how structure of leaf is adapted to promote efficient photosynthesis | **8** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-05

**Type of Task:** Individual written task

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Explain the adaptation of leave for the process of photosynthesis | Comprehension of the concept through answering the question | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-06

**Type of Task:** Activity

**Level of SLO** comprehensive

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Identify the process respiration in plants.  Compare respiration and photosynthesis through Venn diagram | Comprehension of the topic respiration and photosynthesis through worksheet. | **5** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-06

**Type of Task:** worksheet

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Identify the missing molecule in the given diagram.  Diagram.  Write gaseous.  Exchange during photosynthesis in plants (day time and night time). | Comprehension of respiration and photosynthesis processes in plants. | **4** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-07

**Type of Task:** Activity

**Level of SLO** Analysis

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1** | Identify the rate of transpiration under different conditions  Conclude their finding by writing conclusion of the activity. | Analysis of rate of transpiration with different factors and conditions. | **4** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-07

**Type of Task:** worksheet

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (8)** |
| --- | --- | --- | --- |
| **1** | Inter the information learned about transpiration and factors affecting on the process through work sheet. | Analysis the process of transpiration and factors affect on the process. | **8** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Life Science

**Grade:** 07

**Unit:**  01

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-A-08

**Type of Task:** Pair Activity

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1** | Demonstration the transpiration from leaves by using cabal cloned | Understanding of the process of transpiration | **3** |
| **2** | Paper  Answering the given questions correctly | Demonstration their understanding through activity and answering the question | **2** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Life Science

**Grade:** 07

**Unit:** 01

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-A-08

**Type of Task:** written work sheet

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (3)** |
| --- | --- | --- | --- |
| **1** | Write correct stop of transpiration on flow chart. | Understanding of the process  Correct application of the process. | **3** |

**Yasmeen Jadoon**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 08

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-

**Type of Task:**

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (8)** |
| --- | --- | --- | --- |
| **1** | Distinguish between complete and imcomplete combustion | \*compound what is complete combustion and incomplete combustion | **02** |
| **2** | Recognize the harmful effects of combustion | Comprehend the negative impact of compustion | **04** |
| **3** | Explain the uses of combustion in daily life | Comprehend the need of combustion in our life | **02** |

**“Negative Impacts”**

**Action Effects**

**1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solutions**

**Positive Impacts**

| **Sr.No** | **Action** | **Effects** |
| --- | --- | --- |
|  | Burning of fuel | Gives and head |
|  | Combustion in cars | Travelling made easy |
|  | Rocket Engines | Satellites in space |
|  | Machines | Make work easy |

**Negative Impacts**

| **Sr.No** | **Action** | **Effects** |
| --- | --- | --- |
|  | Unbrunt carbon particles | Causes Asthama |
|  | Release CO2 | Causes Global Warming |
|  | Release SO4 | Causes Acid Rain |
|  | Release CO | Poisons gas that can hill |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-16

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1.** | Distinguish between complete & Incomplete combustion | Comprehend that what is complete and incomplete combustion | **04** |
| **2.** | Recognize the harmful effects of combustion | Understand the negative impact of combustion | **04** |
| **3.** | Explain the uses of combustion in daily life | Comprehend the need of combustion in own life | **02** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-17

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1.** | Describe thermal conductivity of metals, plastics & wood | Comprehend thermal conductivity | **02** |
| **2** | Discuss the effect of temperature on solubility | Comprehend solubility | **02** |

Observe in which cup, the sugar dissolves first

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 08

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-17

**Type of Task:**

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define Physical properties | Knolwedge about physical properties | **01** |
| **2.** | List names of some physical properties | Knowledge about some physical properties | **02** |
| **3.** | State Solubility melting & b9oiling point | Knowledge about solubility and melting and boiling point | **02** |
| **4.** | Distinguish between malleability and ductivity | Comprehend the mallability and ductivity | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-18

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define physical change | Knowledge about physical change | **02** |
| **2** | State chemical change | Knowledge about chemical change | **02** |
| **3** | Identify physical and chemical change | Comprehend the difference between physical and chemical property | **06** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**Directions:** Put a check mark in column to classify each description as either a chemical or physical change

| S.No | Property Description | Physical Property | Chemical Property |
| --- | --- | --- | --- |
| 1. | Sulfur is yellow in colour |  |  |
| 2. | Wood is Flammable |  |  |
| 3. | Solubility of food colours in water |  |  |
| 4. | Metal reacts with acid to form H-gas |  |  |
| 5. | Oxygen supports combustion |  |  |
| 6. | Bases tastes bitter |  |  |
| 7. | The melting point of water is OoC |  |  |
| 8. | Non metals do not conduct heaty or dectctivity |  |  |
| 9. | Metals are lustrous (Shiny) |  |  |
| 10. | Rust can form on the metal spokes of bicycle |  |  |

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-18

**Type of Task:** Short Question

(Activity Based)

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Memorize the definitions of some physical & chemical properties | Knowledge about the physical and chemical properties | **02** |
| **2.** | Describe physical and chemical | Comprehend the difference between physical and chemical properties | **08** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  07

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-09

**Type of Task:** Activity based

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define Valency | Knowledge about the concept of valency | **02** |
| **2** | Identity valences of different elements according to their groups | Knowledge about valencies of different elements | **03** |
| **3** | Explain the formation of ion | Understand the formation of ion | **03** |
| **4** | Predict the change of ions | Comprehend the changes of ions | **02** |

The member P1 will not be able to grab / hold any ball – memer P2 can hold only 1 ball member P3 can have 2 balls- member P4 can have 3 balls and P5 can have all 4 balls

Conclousion: In the same way some atoms can hold one electron, while others can hold two, three or four or none at all this is called valency.

Activity 2

The elements beryllium boron and sulpher can form ion. Draw the structure and predict the change of the ion that each element forms.

Atomic number of Berylllium =4 , Boron -5 S=16

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 06

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-09

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define Valency | Knowledge about the concept of valency | **02** |
| **2.** | Identify Valencies of different elements according to their groups | Knowledge about vlencies of different elements | **02** |
| **3.** | Explain the formation of ion | Understand the formation of ion | **04** |
| **4.** | Predict the charge of ions | Comprehend the charges of ions | **01** |
| **5.** | Write symbol of ions | Knowledge about elements and their symbosl in an atom or ion | **01** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  06

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-10

**Type of Task:** Activity (Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (15)** |
| --- | --- | --- | --- |
| **1.** | State the valencies of different elements | Knowledge about valency of different elements | **03** |
| **2** | Arrange the steps for writing chemical formula | Knowledge about the way to find chemical formula step by step | **04** |
| **3** | Write the chemical formula of different constitutents/ compounds | Comprehend the ways to determine the chemical formulae of differend compound | **08** |

Q. 3Following the steps write down chemical formale of following

Ammonia= Sodium Choloride = Carbon Dioxide= Water=

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 06

**Unit:** 06

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-10

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Outline the steps for writing the chemical formulae of comp0ounds | Knowledge about the steps to find chemical formaulae | **05** |
| **2.** | Infer the chemical formale of different substances | Understand the concept and chemical formula and determine the chemical formaula of different substances | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  06

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-11

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (15)** |
| --- | --- | --- | --- |
| **1.** | Recall the structure of atom | Knowledge about the structure of atom | **01** |
| **2** | Arrange the electons protons and newtrons at their respective places | Knowledge about electron, protons, and newtrons | **01** |
| **3** | Describel the formation of chemical bond | Understand the concept of chemical bonding | **03** |

Q. 3Following the steps write down chemical formale of following

Ammonia= Sodium Choloride = Carbon Dioxide= Water=

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 06

**Unit:** 06

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-11

**Type of Task:** Short Questions

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define Chemical bond | Knowledge about chemical bonding | **02** |
| **2.** | State the formation of chemical bonding | Knowledge about the formation of chemical bonding | **06** |
| **3** | Define valence electrons | Knowledge about v electorns? | **02** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-12

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1.** | Perform the experiement | Understanding the physical and chemical change | **2** |
| **2** | Obseve and respond to change |  |  |
| **3** | Differeintiate between physical and chemical change | Ability to give examples of changes in daily life | **02** |
| **4** | List the few more examples of physical and chemical change |  |  |

Observation sheet

| Task | Observation | Response |
| --- | --- | --- |
| Take a piece of paper & tear it | Paper is reduced in size | Is that a physical change  Ans: Yes |
| Lit the candle and burn the paper | Paper is burnt and changed into new substance | What type of change it ?  Chemical Change |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 06

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-11

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Differentiate between the physical & Chemical Change | Understand the physical and chemical change | **05** |
| **2.** | Name some physical and chemical changes in daily life | Ability to Illustrate the examples of chemical and physical changes | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-13

**Type of Task:** Activity based

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (4)** |
| --- | --- | --- | --- |
| **1.** | Define that oxygen is needed in combustion? Rusting and tarnishing. | Knowledge about combustion, rusting and tarnishing | **2** |
| **2** | Find that when all oxygen use up it stopped burining? | Understand that combustion, rusthing and tarnish need oxygen. | **03** |

Observation sheet

| Task | Observation | Query & Response |
| --- | --- | --- |
| Lit the candle and put the glass on it | Candle is burning | It is still burning  Ans. Yes  Why  Ans. Because glass has oxygen in it |
| After few minutes | Candle stopped burning | Why  Ans: Because all the oxygen present in the glass is used up. |

Activity 2:-

Materials required : Nail, rusted nail, silver, turnieshed earring

Teacher will show the nail (non-rusted) which is silver in colour and then show rusted nail which turned raddish brown because of rusting i.e. it combines with oxygen present in air.

Teacher will show the silver earning and follow observation table

Observation Sheet

| Task | Observation | Query & Response |
| --- | --- | --- |
| Show Nail | What is the colour of nail | Silver |
| Show rusted nail | Why this nail is raddish brown? | Because of rusting |
| Show silver earring | What is its colour | Because of tarnishing |

**Ramsha**

**Reviewer Comments:**

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**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-13

**Type of Task:** Short Questions

**Level of SLO:** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Define that oxygen is needed in combustion | Knowledge about combustion rusting and tarnishing | **02** |
| **2.** | Find why burning stopped in the absence of oxygen | Rusting and tarnishing is needs oxygen | **03** |
| **3.** | How metals changes its color when left in ope air |  |  |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-14

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (6)** |
| --- | --- | --- | --- |
| **1.** | Explain that metals rust when exposed to air | Understand that metal will rust, if it is allowed to be left open in air | **03** |
| **2** | Demonstrate or illustrate that coating a metal with grease / oil permits rusting | Understand that applying a coat of some grease / oil presnt it from rusting | **03** |

Observation sheet

| Cup No | What’s in the cup | Observation after 1 day | Observation after 3 days | Observation after 1 week |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

\*. Procedure

- Cover the nails with vaseline or oil

-Take 5 glass and put 1 nail in each glass

-fill each glass with water, salt water vinegar, zi lock bag respectively

-Leave 5th glass contrl un treated

-Record the treatments you are testing in the observation table

Conclusion:

Q- What have you found out by doing the experiement?

Response:-

* Students should observe that nail in salt water result the quickest followed by plain water. If the control is in humid room, it may also develop rust.
* Greasing the nail should be effective.

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Salee**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-14

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Explain that metals rust when exposed to air | Understand that metals will rust, if it is allowed to be left open in air | **05** |
| **2.** | Ilustrate that coating a metal with grease / oil presents rusting | Comprehend that applying a coat of grease / oil present it from rusting | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  04

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-15

**Type of Task:** Activity based

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (6)** |
| --- | --- | --- | --- |
| **1.** | Defines chemical properties | Knowledge about chemical change | **1** |
| **2** | Describe few examples of chemical properties | Understand the examples of chemical properties | **02** |
| **3** | Explain flammability | Understand the concept and use of flammability | **03** |
| **4** | Relate the uses of materials to their chemical properties | Apply the use of materials to their chemical properties |  |

Observation sheet

| Task | Change Occur | Change (Physical or chemical ) |
| --- | --- | --- |
| Lit the match sticks | Yes | Chemical |
| Cut the apple and leave for half an house | Yes | Chemical |

Question Asked Lit the match stick, what kind of chemical property is this? (Burning or Flaming or flamability)

Apple’s activity (Rusting)

What kinid of Chemical Property is this?

So Flammability and rusting are examples of chemical properties

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Salee**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 04

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-15

**Type of Task:** Short Questions

**Level of SLO:** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define Cehmical properties | Knowledge about chemical change | **02** |
| **2.** | Describe few examples of chemical properties | Understand the examples of chemical properties | **02** |
| **3.** | Exmpla flammability | Understand the concept and use of flammability | **02** |
| **4** | Relate the uses of materials to their chemical properties | Apply the use of materials to support burning | **04** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-01

**Type of Task:** Activity based

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Name sub atomic particles | Knowledge about substaomic particlas | **02** |
| **2** | Describel the structure of atoms | Understand the structure of atom | **03** |
| **3** | Draw the structure of atom | Comprehend the atom | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Salee**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-14

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Name sub atomic particles | Knowledge about sub atomic particles | **01** |
| **2.** | Describe the structure of atom | Understand the structure of atom | **06** |
| **3.** | Label the structure of atom | Knowledge about structure of atom | **03** |

Complete the table:

| Sub atomic particles | Location in Atom | Relative change |
| --- | --- | --- |
|  |  | +1 |
|  | Nucleus | 0 |
| Electron |  |  |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-02

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | State the attraction and repulsing of charges | Knowledge about attraction & repulsion of charges | **02** |
| **2** | Defines the charges of proton, neutron and electron | Knowledge about charges of sub atomic particles | **02** |
| **3** | Explain that no of protons are equal to number of electrons | Comprehend that protons & electrons are equal in an atom | **03** |
| **4** | Describes why atom is electrically neural | Understand that atom has no chares | **03** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-02

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (05)** |
| --- | --- | --- | --- |
| **1.** | State the attraction and Repulsion of charges | Knowledge about attraction & Repulsion of charges | **01** |
| **2.** | Defines the charges of proton, electron & Newton. | Knowledge about charges of sub-atomic particles | **01** |
| **3.** | Describe why atom is electrically neutral | Understand that Atom is Neutral | **03** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-03

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | State the attraction and repulsion of charges | Knowledge about attraction & repulsion of charges | **02** |
| **2** | Defines the charges of proton, neutron and electron | Knowledge about charges of sub atomic particles | **02** |
| **3** | Explain that no of protons are equal to number of electrons | Comprehend that protons & electrons are equal in an atom | **03** |
| **4** | Describes why atom is electrically neural | Understand that atom has no chares | **03** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-03

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (05)** |
| --- | --- | --- | --- |
| **1.** | Write the symbolic representation of Element mentioning their Al No and Al Mass | Knowledge about symbolic representation of Atom | **02** |
| **2.** | Differentiate between atomic number and atomic mass | Understand the difference between Atomic number and Atomic mass | **03** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-04

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Predict the atomic number and mass number from number of proton neutron & electron | Understand the concept of atomic number and mass number | **05** |
| **2** | Determine the no of protons no of electrons and neutrons with the help of atomic number Ans mass no | Comprehend the no, of proton electron and neutron in an atom | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***

**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-04

**Type of Task:** Short Questions

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Predict the at: number and mass number from no of proton neutron & electron | Understand the concept of atomic number and mass number | **05** |
| **2.** | Determine the no of protons no of Electrons and newton with the help of atomic no and mass no | Comprehend the amount quantity of proton electron and neutron | **05** |

Q.2 Complete the table

| Elements | Proton | Neutron | AT:NO | Mass No |
| --- | --- | --- | --- | --- |
| Helium |  |  |  |  |
| Bryllium |  |  |  |  |
| Nitrogen |  |  |  |  |
| Oxygen |  |  |  |  |
| Florine |  |  |  |  |
| Sodium |  |  |  |  |
| Flourine |  |  |  |  |
| Sodium |  |  |  |  |
| Slilicon |  |  |  |  |
| Sulpher |  |  |  |  |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-05

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Arrange the electrons in KLM shells of atom | Knowledge about shells of electrons | **05** |
| **2** | Draw the atomic structure of first 18 elements | Knowledge about structure of different elements | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUMMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-05

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Arrange the electrons in KLM shells of atom | Knowledge about shells of electrons | **05** |
| **2.** | Draw the atomic structure of first 18 elements | Knowledge about structure of different elements | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-05

**Type of Task:** Activity

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1.** | Write no of electron, proton and neuton | Knowledge about no of subatomic particles in the atom | **02** |
| **2.** | State electronic arrangement in their respective shells | Knowledge about electrons and their shells | **02** |
| **3.** | Draw the structure of atoms | Comprehended the structure of atom | **02** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-06

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Write no of electron proton & neutron | Knowledge about no of sub atomic particles in the atom | **03** |
| **2** | State electronic arrangements in their respective shells | Knowledge about charges of sub atomic particles | **03** |
| **3** | Draw the structure of atoms | Comprehend that protons & electrons are equal in an atom | **04** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-07

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1.** | Arrange the element in increasing order of atomic number | Knowledge about atomic numbers | **02** |
| **2.** | Recognize the elements and their periodicity in periodic table | Understand periodic table | **04** |
| **3.** | Differentiate between metals and non-metals | Comprehend metals and non-metals in periodic table | **04** |

Using the periodic table fill the chart below:

| Element | Symbol | At No | Period | Group |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-07

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Describe periodic table | Understand the periodic table | **02** |
| **2** | Recognize the elements and their periodicity in periodic table | Comprehend periodicity | **02** |
| **3** | Differentiate between metals and non-metals | Comprehend mentals and nonmetals in periodic table | **06** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-08

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1.** | Identify groups in periodic table | Knowledge about groups and periodic table | **05** |
| **2.** | Recognize periods of period c table | Knowledge about periods in periodic table | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-08

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Identify groups in the periodic table | Knowledge about groups in periodic table | **05** |
| **2** | Identify periods in the periods table | Knowledge about periods in periodic table | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-19

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1.** | Explain why water is a universal solvent? | Understand that water is universal solvent | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-19

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Define Aqueous solution | Knowledge about aqueous solution | **02** |
| **2** | Explain why water is a universal Solvent | Understand that water is a universal solvent | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-20

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Comprehension

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Explain various types of solutions with examples | Understand types of solutions | **05** |
| **2.** | Identify solute & solvent in different types of solutions | Comprehend solute and solvents in different solutions | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Formative

**SLO: (M-…-B-)** S-07-B-20

**Type of Task: Activity based**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Define solute & Solvent | Knowledge about solute & solvent | **02** |
| **2** | Explain various types of solution with examples | Understand types of solutions | **04** |
| **3** | Identify solute & solvents in different types of solutions | Comprehend solute & solvent in different solutions | **04** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-21

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define solubility | Knowledge about solubility | **05** |
| **2.** | Differentiate between saturated and unsaturated solution | Understand saturated and unsated solutions | **05** |

| Sr.No | Substances | Dissolves or not | Time to dissolve in hot water | Time to dissolve in cold water |
| --- | --- | --- | --- | --- |
| 1. |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

Q.1 Why some substances do not dissolve in water?

Q.2. Why substances dissolve quickly in hot water?

Activity 2

Take 50 ml of water in 2 cups label cup A with solution A and Cup 2 with solution B add 2 tbsp of sugar in solution A Stir & dissolve add 2 tbsp of sugar in solution B stir & dissolve again add 2 tbsp of sugar in solution B Stir & Dissolve repeat the steps in solution B till sugar stops dissolving Now answer.

Which solution is saturated solution and which solution is unsaturated?

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-20

**Type of Task: Short Question**

(Worksheet)

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Define Solubility | Knowledge about solubility | **05** |
| **2** | Differentiate between unsaturated & bsaturated solution | Understand saturated and un saturated solution | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-22

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Define the dilute and concentrated solution | Knowledge about concentrate and dilute solutions | **05** |
| **2.** | Recognize which solution is more concentrated and has nore solute | Knowledge about concentration and solute in dilute and concentrated solutions | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-20

**Type of Task: Short Question**

(Worksheet)

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Define Solubility | Knowledge about solubility | **05** |
| **2** | Differentiate between unsaturated & bsaturated solution | Understand saturated and un saturated solution | **05** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-23

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Describe the factor that effect solubility | Understand the factors that affect solubility | **05** |

Q.1 Why milk is soluble in water but not oil?

Q2. Why sugar dissolved quickly in hot water?

Q3. Why fizz / Bubbles came out when they opened the seal of drink?

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-23

**Type of Task: Short Question**

(Worksheet)

**Level of SLO** Knowledge

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1** | Name factors affecting solubility | Knowledge about factors affecting solubility | **01** |
| **2** | Explain how temperature, nature of solute, solvent and pressure affects solubility | Understand the affect of temperature pressure and nature of solute solvent on solubility | **09** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-24

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Knowledge

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (5)** |
| --- | --- | --- | --- |
| **1.** | Describe Concentrated and dilute solution | Understand concentrated & dilute solution | **03** |
| **2.** | Explain what is concentration | Comprehend concentration of solution | **02** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-24

**Type of Task: Short Question**

(Worksheet)

**Level of SLO** Comprehension

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1** | Define concentration | Knowledge about concentration of solutions | **02** |
| **2** | Describe concentrated and dilute solution | Understand concentrated and dilute solution | **04** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-25

**Type of Task:** Activity (Worksheet)

**Level of SLO:** Application

**Task:**

**Level of Item: Com**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Employ the ways of accelerating the process of dissolving materials in a water and use it in daily life | Apply the ways of accelerating the process of solubility in daily life | **10** |

Question: In all the tasks you have just performed Answer which way accelerate the process of dissolving materials and why?

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***

**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-25

**Type of Task: Short Question**

(Worksheet)

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (06)** |
| --- | --- | --- | --- |
| **1** | Predict the ways of accelerating the process of dissolving materials in water | Apply the ways of accelerating the process of solubility in daily life | **10** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-26

**Type of Task: Activity**

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (05)** |
| --- | --- | --- | --- |
| **1** | Explore the effectiveness of different solutions in cleaning the coins | Apply various techniques to clean the coin | **03** |
| **2** | Sues daily life products in cleaning of tarnished coins | Apply the daily life products in different situations | **02** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

**\*\*\*\*\*\*\***



**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-26

**Type of Task:** Short Answer Question

**Level of SLO:** Application

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (10)** |
| --- | --- | --- | --- |
| **1.** | Illustrate the use of products in cleaning tarnished coins | Apply various techniques to clean the coins | **10** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**FORMATIVE**

**\*\*\*\*\*\*\***



**Subject: G.SC**

**Domain: B-** Physical Science

**Grade:** 07

**Unit:**  05

**Type of Assessment:** formative

**SLO: (M-…-B-)** S-07-B-27

**Type of Task: Activity**

**Level of SLO** Application

**Task:**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score (05)** |
| --- | --- | --- | --- |
| **1** | Prepare a rock candy with sugar using crystal seeding | Apply a sugar crystal seeding technique to make rock candy. | **05** |
| **2** |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**

**SUBMATIVE**

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**Subject:** G.SC

**Domain: B** Physical Science

**Grade:** 07

**Unit:** 05

**Type of Assessment:** Summative

**SLO: (M-…-B-)** S-07-B-27

**Type of Task:** Extended Answer Question

**Level of SLO:** Application

**Task:**

**Level of Item : Comprehension**

| **Sr. No.** | **Expected Response** | **Skill Observed** | **Score** |
| --- | --- | --- | --- |
| **1.** | Prepare a rock candy with sugar using crystal seeding technique. | Apply a sugar crystal seeding technique to make rock candy |  |

**Ramsha**

**Reviewer Comments:**

**Dr. Tooba Saleem**