



<b>PERIODIC ASSIGNMENT -3 2020-21</b>	
<b>Grade – 6</b>	<b>Subject- SCIENCE</b>
<b>Syllabus – CH-10,11FROM TEXTBOOK</b>	

**Q-1. Multiple choice questions:**

- To fly from one place to another we use  
(a) **Aeroplane** (b) boats (c) birds
- One of the early measure of distance was  
(a) Litre (b) **paces** (c) stones
- A curved line can be measured using  
(a) Ruler (b) **string and ruler** (c) beaker
- Earliest mode of transport on water was  
(a) aeroplane (b) hovercraft (c) **logs tied together**
- Hands of the clock show  
(a) Circular motion (b) periodic motion (c) **both (a) and (b)**
- The SI unit of length is  
(a) Milimetre (b) centimeter (c) **metre**
- The fixed quantity of measurement is called  
(a) Foot (b) **unit** (c) gallon
- Swing shows \_\_\_\_\_ motion  
(a) Circular motion (b) linear (c) **oscillatory**
- The fog is \_\_\_\_\_  
(a) Transparent (b) **translucent** (c) opaque
- The shape of the shadow depends on which of the following  
(a) **Shape of opaque object**  
(b) Colour of screen  
(c) Colour of object
- Which of the following is not a luminous object  
(a) Stars (b) Sun (c) **Moon**
- Which one is a natural source of light?  
(a) Tubelight (b) **Sun** (c) Electric bulb

**Q-2. Fill in the blanks.**

- One metre is **100 cm.**
- Five kilometre is **5000 m.**
- Motion of a child on a swing is **oscillatory** motion.
- Motion of the needle of a swing machine is **periodic** motion.
- Motion of a wheel of a bicycle is **circular** motion.
- Transparent** objects do not caste any shadow.

7. Moon is a **non-luminous** object.
8. Shadows give us information about **shape** of the object.
9. A **mirror** changes the direction of light that falls on it.
10. Solar and lunar eclipses are examples of **shadow** formation in nature.

**Q-3. State whether the statement is true or false.**

1. Motion in straight line is called rectilinear motion. T
2. One centimeter is equal to 100 milimetres. F
3. Thread can be used to measure the length of the curved line. T
4. Diameter of circle is half of radius. F
5. Motion of needle of sewing machine is circular motion. F
6. Tube-light is not luminous body. F
7. Stars reflect the sunlight. F
8. Rainbow is formed due to shadow formation. F
9. Jugnoo (firefly) is a luminous body. T

**Q-4. Answer in one sentence.**

1. What is measurement?  
**Ans: The comparison of an unknown quantity with some known quantity of the same kind.**
2. Define handspan measurement.  
**Ans: Length between the tip of the thumb and little finger.**
3. Define cubit measurement.  
**Ans: Length between the tip of middle finger and elbow.**
4. Define footstep measurement.  
**Ans: It is the distance covered by a step.**
5. What are Standard Units of Measurements?  
**Ans: It is a unit to measure any quantity completely and uniformly.**
6. What is the standard unit of mass?  
**Ans: Kilogram**
7. What is standard unit of time?  
**Ans: Second**
8. What is curvilinear motion?  
**Ans: Object moving along curved lines. Example: a car moving along a curved road.**
9. What is periodic motion?  
**Ans: The motion which repeats at regular intervals of time. Ex: hands of clock, pendulum of clock, heartbeats**
10. Give one example of circular motion.  
**Ans: Motion of hands of clock**
11. Define light.  
**Ans: Light is the natural agent that stimulates sight and makes things visible.**
12. What are luminous objects?

**Ans: Objects which emit their own light are called luminous objects. Ex: electric torch, candle**

13. What are non-luminous objects?

**Ans: Objects which do not have their own light and are called non-luminous objects. Ex: moon, chair, table**

14. What are transparent substances?

**Ans: All substances that allow light to pass through them and through which objects can clearly be seen are called transparent substances. Ex: glass, water**

15. What is translucent substance?

**Ans: A substance that allows light to pass through it only partially is called a translucent substance. Ex: butter paper, tissue paper,**

16. What are opaque objects?

**Ans: Objects that do not allow light to pass through them. Ex: book, bricks**

17. What do you mean by shadow?

**Ans: A shadow is the 'region of absence of light'. Light from a source is cut off by an obstacle and shadow is formed.**

18. Write any four sources of light.

**Ans: Sun, stars, electric torch, candle flame**

**Q-5. Answer in two-three sentences.**

1. How are the motions of a wheel of a moving bicycle and a mark on the blade of a moving electric fan different? Explain.
2. Why can a pace or footstep not be used as a standard unit of length?
3. You are given a transparent glass sheet. Suggest any two ways to make it translucent without breaking it.
4. On a sunny day, does a bird or an aeroplane flying high in the sky cast its shadow on the ground? Under what circumstances can we see their shadow on the ground?
5. While travelling in a train, it appears that the trees near the track are moving whereas co-passengers appear to be stationary. Explain the reason.

**Q-6. Classify the given object correctly in the given table.**

[Air, fog, book, firefly, Moon, water, a wall, smog, list of opaque objects, Sun]

Opaque	Transparent	Translucent	Luminous	Non-luminous
A wall	Water	Fog	Sun	Moon
Book	Air	Smog	Firefly	List of opaque objects