

**SUMMATIVE ASSESSMENT-2**  
**MODEL QUESTION PAPER- 6****SECTION- A (PHYSICS) [27]**

- Q.1 Luminous bodies- (1)**
- |                         |                                   |
|-------------------------|-----------------------------------|
| (i) absorb light energy | (iii) are always a natural source |
| (ii) emit light energy  | (iv) are transparent              |

- Q.2. Which of the following materials is an electric insulator? (1)**

- |               |               |
|---------------|---------------|
| (i) aluminium | (iii) rubber  |
| (ii) gold     | (iv) graphite |

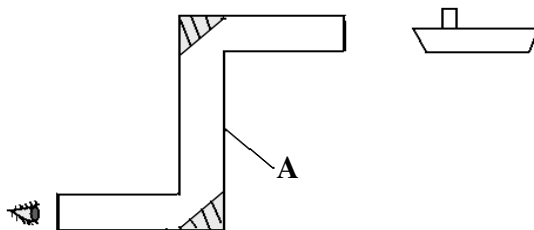
- Q.3. What kind of medium is mineral water? (1)**

- (i) transparent  
(ii) translucent  
(iii) opaque  
(iv) neither totally transparent nor translucent

- Q.4. Which one of the following is a luminous source? (1)**

- |           |                      |
|-----------|----------------------|
| (i) star  | (iii) glow signboard |
| (ii) moon | (iv) all of them     |

- Q.5. Complete the ray diagram & identify the device A. (2)**



- Q.6. Fill in the blanks:- (2)**
- (xiii) When heavenly bodies cast shadows on each other, an \_\_\_\_\_ is formed.
- (xiv) An electric bulb with a broken filament is \_\_\_\_\_, & will not glow in an electric circuit.

- Q.7. Give one word:- (2)**
- (i) A very simple camera that forms an inverted image of an object on a screen.
- (ii) Materials generally used to make non- conducting part of an appliance.

- Q.8. Write the function of the following: (2)**  
 (i) Conductors (ii) Electric switch
- Q.9. Give reason, why? (3)**  
 (i) Nitrogen & argon gases are filled in electric bulb.  
 (ii) Mirrors are used in periscopes.  
 (iii) A translucent screen is used in a pin- hole camera.
- Q.10. Draw the diagram of an electric bulb & label the following: (3)**  
 (i) terminals (iii) support wires  
 (ii) filament (iv) glass case
- Q.11. (i) What are the necessary conditions to form a shadow? (any two) (1 + 2 =3)**  
 (ii) Differentiate between an opaque & a translucent object based upon the type of shadow formed.
- Q.12. Paheli made a conduction tester to test the conductivity of Nylon rope and Iron key. (1.5+1.5=3)**  
 (ii) In which case the bulb will glow and why?  
 (iii) Draw a circuit diagram to show the same.
- Q.13. (i) What is an electric cell? (1 + 2 = 3)**  
 (ii) Draw the diagram of an electric cell & mark its terminals. Also indicate the direction of the current flowing in a wire, connected to it.

**SECTION- B (CHEMISTRY) [26]**

- Q.14 Choose the correct answer from the following: (1 × 4 =4)**
- (i) We can separate iron fillings from a mixture of iron fillings and sand by the method of:-  
 (a) Magnetic separation (c) Sieving  
 (b) Handpicking (d) Filtration
- (ii) The process of conversion of a liquid to its vapour state is called:  
 (a) Condensation (c) Evaporation  
 (b) Distillation (d) Both (a) and (c)
- (iii) Which of the following involves a fast and irreversible change:  
 (a) Burning of a candle (c) Growth of a child  
 (b) Burning of a cracker (d) Rusting of iron



**Q.22 Describe an activity for the separation of sand, salt and water from their mixture. (5)**

(\*Mention the Aim, Materials Required, Procedure, Observations and Result)

**OR**

- (i) What do you mean by a saturated solution?
- (ii) How can you make a saturated solution unsaturated?
- (iii) What is the effect of temperature on a saturated solution?
- (iv) Identify the solute and solvent in a glass of mango shake.

### **SECTION- C (BIOLOGY) [27]**

**Q.23.(i) The strands/ fibres which join bone to bone are called \_\_\_\_\_.(1)**

**(ii)The body part that is protected by the backbone is called \_\_\_\_\_.**

**Q.24.Give the term for the following: (1)**

- (m) Small changes that take place in the body of a single organism over short period of time to overcome small changes in surroundings.
- (n) The process of breakdown of food to obtain energy.

**Q.25.Which of the following material will not rot when buried in ground: (1)**  
**Polythene bag, Paper bag, Vegetable peel, Broken glass.**

**Q.26.Name the type of joint present in: (1)**

- (o) Wrist
- (p) Between upper jaw & skull

**Q.27.Which of the non living things listed below, were once part of a living thing: (1)**

**Woollen shawl, Rubber, Pen, Chalk**

**Q.28.Choose the correct option:- (1)**

- (q) When contracted muscles become
  - (a) Long & thin
  - (b) Short & thick
  - (c) Soft & loose
  - (d) None of these
- (r) Which of these animals has backbone (endoskeleton)
  - (a) Earthworm
  - (b) Snail
  - (c) Snake
  - (d) Cockroach



