

परमाणु ऊर्जा शिक्षण संस्था

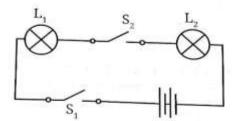
Atomic Energy Education Society कार्यपत्रक / Worksheet (2025-26)

कक्षा /Class: <u>VII</u> शिषर् /Subject: <u>Science</u> माह/ Month: <u>July</u> अंक/Marks: 40

		the student: कक्षा/अनुभाग Class /Sec.:		द्रिनोोंक /Date:						
I.	Choose the correct answer: 1. Which is the second tallest dam in India?									
	a) Tehri (c) Hirakud dam						
,	•	a Nangal dam		d) Indira Sagar dam						
2	•	ortable source of electricity.		\ = 1						
	a) Torch	light		c) Electric cell						
	b) Lamp			d) LED						
,		in incandescent lamp is made ι	ip of .							
	a) Titaniı			c) Iron						
	b) Copper			d) Tungsten						
4	4. Here are few international organizations. Pick the odd one.									
	,	onal Electrotechnical Commission	on							
	b) Americar	n National Standards Institute								
	c) Institute of Electrical and Electronics Engineers									
	d) International Science Council									
į.	5. Which device	e completes or breaks the circu	it?							
	a) Batte	ry		c) Wires						
	b) Switch	h		d) Lamp						
(6. Electricity from power plants that comes to the wall socket is known as									
	a) Alteri	nating Current	c)	Neither a) nor b)						
	b) Direc	t Current	d)	Either a) or b)						
7	7. Across which	river Bhakra Nangal dam is co	nstruc	ted?						
	a) Gang	ga e e e e e e e e e e e e e e e e e e e	c)	Sutlej						
	b) Bhag	jirathi	d)	Yamuna						
8	3. Identify the co	onductor of electricity.								
	a) Graph	ite	C)) Glass scale						
	b) Stick		d) Cardboard						
Ç	9. Which type of electrical wire is used in overhead power lines?									
	a) Non M	letallic Sheathed wires	c)	Copper wires						
	b) Alumir	nium wires	d)	None of these						
	10. Choose the incorrect statement.									
	a) A switch is the source of electric current in a circuit.									
	b) A switch helps to complete or break the circuit.									
	c) A switch helps us to use electricity as per our requirement.									
	•	•	•	s an air gap between its terminals.						

- II. Choose the correct answer from options given below for the statements.
- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true, but R is not the correct explanation of A
- (c) A is true, but R is false
- (d) A is false, but R is true
- 11. Assertion (A): Copper is widely used for making electrical wires.
 - Reason (R): Copper is comparatively lower in cost and abundant supply.
- 12. Assertion (A): Electric current passing through our body may cause severe injury or even death.
 - Reason (R): Our body is a poor conductor of electricity. .
- 13. Assertion (A): In symbol of an LED, the triangle points the direction in which the current flows.
 - Reason(R): The two arrows indicate that light is emitted by an LED.
- 14. Assertion (A): The glowing thin wire is called the filament of the lamp.
 - Reason (R): The filament should have low melting point.

III. Read the following circuit and answer the question carefully.



15 If	f S2 is in	'ON' position	. S1 is in 'OFF' ເ	nosition	which	lamn(s) wil	l alow'
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a) L1

c) Both L1 and L2

b) L2

d) Neither L1 nor L2

16. If S2 is in 'OFF' position, S1 is in 'ON' position, which lamp(s) will glow?

a) L1

c) Both L1 and L2

b) L2

d) Neither L1 nor L2

17. If S1 and S2 both are in 'ON' position, which lamp(s) will glow?

a) L1

c) Both L1 and L2

b) L2

d) Neither L1 nor L2

18. If both S1 and S2 are in 'OFF' position, which lamp(s) will glow?

a) L1

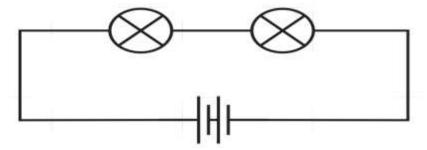
c) Both L1 and L2

b) L2

d) Neither L1 nor L2

IV. Short answer type questions -I

- 19. Draw a circuit diagram for simple torch using symbols for electric components.
- 20. Why are electric wires covered with plastic or rubber?
- 21. How does the switch turn 'ON' or 'OFF' the torchlight?
- 22. If the filament of one of the lamp is broken, will the other glow?



23. Define electric circuit.

V. Short answer type questions- II

- 24. Vidhya has made the circuit using battery, incandescent bulb and self made switch. Even after closing the circuit, the lamp does not glow. What can be the possible reason? List as many as possible reasons you can for this faulty operation. What will you do to find out why the lamp did not glow?
- 25. Differentiate conductors and insulators with proper example.
- 26. Is there any difference between electricity from an electric cell and that from a wall socket? If so explain it.
- 27. Give a brief note on incandescent bulb.