

## AP POLYCET Physics Answer Key 2026



Question No.	Question	Correct Answer
51	The magnetic field produced by a circular coil having $n$ turns is ____ that produced by a single turn.	$n$ times
52	A current-carrying long solenoid acts as a :	bar magnet
53	The magnetic effect of electric current is demonstrated by the scientist:	Oersted
54	Technique used to obtain images of body parts using internal magnetic fields is:	MRI scanning
55	In domestic electric circuits, the wire with red colour insulation is called :	live wire
56	Device used to prevent damage to electrical appliances due to overloading is :	electric fuse
57	Appliances are connected across live and neutral wires in domestic circuits in :	parallel
58	At the time of a short circuit, the current in the circuit :	increases heavily

59	The potential difference between live and neutral wire in our country is:	220 V
60	Which of the following is an opaque medium?	Wood
61	A light ray incidents on a plane mirror at $33^\circ$ . What is the angle of reflection?	$33^\circ$
62	If R is radius of curvature and f is focal length, then:	$R=2f$
63	Concave mirror produces 2x magnified real image at 30 cm. Focal length is:	-20 cm
64	Light travels from denser to rarer medium; incidence (i) and refraction (r) relate as:	$r>i$
65	Tank depth 8m full of water ( $n=4/3$ ). Bottom appears at depth of:	6 m
66	Lens bounded by two spherical surfaces curved inwards is :	biconcave
67	Image of object at infinite distance from convex lens is formed at :	principal focus
68	Object is 30 cm from convex lens ( $f=20$ cm). Image distance is:	60 cm
69	Joule's law states heat in a resistor is :	dir. prop. to R

70	Electric power is the product of potential difference and :	current
71	One kilowatt-hour is equal to:	$3.6 \times 10^6$ J
72	Regarding magnetic lines, which statement is false :	S to N outside
91	Which of the following has lowest pH value?	Gastric juice
92	Tooth enamel contains :+1	calcium hydroxyapatite
93	The acid present in curd is :	lactic acid
94	Nature of Aq solution from strong acid and strong base is :+1	neutral
95	Products formed in chlor-alkali process are:	$\text{NaOH} + \text{Cl}_2 + \text{H}_2$
96	Baking powder is a mixture of :	soda + tartaric acid
97	Which is used in making of glass?	$\text{Na}_2\text{CO}_3$
98	The formula of plaster of Paris is:	$\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$
99	Which of the following is non-metal?	All of these