Students can access subject-wise unofficial answer keys for AP POLYCET 2025 below. The answer keys are provided for all the subjects i.e., Mathematics, Physics, and Chemistry. Aspiring candidates can rely on the unofficial answer key provided below to perform a preliminary evaluation of their performance.

All Questions from all sets are the same, and only their sequence is shuffled. So, candidates may check the questions and answers for all subjects here.

Mathematics

Sl.No. (Not Q.No.)	Question	Answers
1	The points (1,5), (2,3) and (-2,-11) form a	They are Collinear
2	If $15 \cot A = 18$, the sin A=	15/17
3	$2\tan 30^{\circ}/1 + \tan^2 30^{\circ} =$	sin 60°
4	$(\sec A + \tan A)(1-\sin A) =$	cos A
5	Which of the following is true?	The value of $\sin \theta$ increases as θ increases, $0 \le \theta \le 90^{\circ}$.
6	The angle formed by the line of sight with the horizontal when it is above the horizontal level is	Angle of elevation
7	A ladder is leaned against a wall with angle of 60° with the ground and its foot is 6 feet away from the wall, then the length of the ladder is	12 feet
8	Two cars are seen from the top of a tower of height 75 m with angles of depression 30° and 45° respectively. The distance between the cars if they are on either side of the tower on the same line with the tower is	75(√3+1)m
9	The number of tangents a circle can have from a point outside the circle is	Two
10	The angle made by the tangent at any point of circle with the radius at the point of contact is	90°
11	A tangent PQ at a point Pof a circle of radius 9 cm meets a line through the centre O at a point so that $OQ=15$ cm. The length of PQ is	12 cm
12	Area of a sector of a circle with radius 4 cm and angle 30° is (use $\pi = 3.14$)	4.18 cm ²
13	Length of an arc of a sector of angle 45° when the radius of the circle is 3 cm, is	3π/4 cm
14	Area of minor segment if a chord of a circle of radius 10 cm subtends a right angle at the centre is (use $\pi = 3.14$)	28.5 cm ²

15	A toy is in the form of a cone of radius r and lateral height I mounted on a hemisphere of same radius and the total height of the toy is h, then the total surface area of the toy is	$\pi r(2r+1)$
16	A model is made with two cones each of height 2 cm attached to the two ends of a cylinder. The diameter of the model is 3 cm and its length is 12 cm. Then the volume of the model is (use $\pi = 22/7$)	66 cm ³
17	The mode and mean of a data are 7 and 5 respectively, then median is	17/3
18	If assumed mean of a data is 47.5, Σ f _i d _i = 435 and Σ f _i = 30, then mean of that data is	42
19	The cumulative frequency of a class is the frequency obtained by	Adding the frequencies of all the classes preceding the given class
20	Formula for finding mode for grouped data is	$l + \left[\frac{f_1 - f_0}{2f_1 - f_0 - f_2}\right] \times h$
21	Which of the following cannot be a probability?	-1-5
22	P(E) =	1-P(E)
23	Which of the following has equally likely outcomes?	All of the above
24	A card is drawn from a set of 52 cards. The probability of getting a queen card is	1/13
25	Ram and Syam are friends. Probability that both will have same birthday is	1/365
26	491400 =	2 ³ x 3 ³ x 5 ² x 7 x 13
27	Which of the following is not irrational?	7-√4
28	Which of the following is true?	HCF (pxqxr)xLCM(pxqxr)+pxqxr
29	A prime number p divides a ^{2,} where a is a positive integer, then	p divides a
30	The zero of linear polynomial ax +b	-b/a
31	If the graph of $y = p(x)$ does not intersect the X- axis at all, then the zeroes of $p(x)$	don't exist
32	The number of zeroes of a polynomial $y = p(x)$ as shown below is X' Y X' Y X' Y Y X' Y Y Y Y Y Y Y Y Y Y	3

33	A pair of linear equations $a_1x + b_1y_+ c_1 = 0$ and $a_2x+b_2y+c_2 = 0$ is such that $a_1/a_2 \neq b_1/b_2$, then they are	dependent and consistent
34	The lines $2x+3y-9 = 0$ and $4x+6y-18 = 0$ are	coinciding lines
35	x-4y-14=0 and $5x-y-13=0$ will have	unique solution
36	The solution of $x-2y = 0$ and $3x+4y-20 = 0$ is	x = 4, y = 2
37	The product of Karan's age five years ago and his age after 9 years from now is 32. This is represented by the quadratic equation	x ² +4x-77=0
38	The roots of the equation $6x^2 - x - 2 = 0$ are	2/3,-1/2
39	The equation $3x^2-5x+2=0$ has	two real and unequal roots
40	Find two numbers whose sum is 27 and product is 182.	13, 14
41	Each one of 100 boxes is filled with 50 one- rupee coins on first day and 25 more coins are added every next day. The Arithmetic Progression (AP) representing this situation is	50, 75, 100, 125,
42	Common difference of the AP 3, 1,-1,-3, is	-2
43	Tenth term of the AP 1,-1, -3, -5, is	-17
44	The sum of the first 22 terms of the AP 8, 3,-2, is	-979
45	D and E are the midpoints of sides AB and AC of a triangle ABC respectively and BC=10 cm. If DE BC, then the length of DE is	5 cm
46	Which of the following are not similar figures?	Isosceles triangles
47	$\Delta ODC \sim \Delta OBA \text{ and } \angle BOC = 125^\circ, \text{ then } \angle DOC = ?$	55°
48	If $M(p/3,4)$ is the midpoint of the line segment joining A(-6,5) and B(-4,3), then p=?	-15
49	The distance between the points (2, 3) and (4,1) is	2/2
50	The coordinates of the point $P(x,y)$ which divides the line segment joining the points $A(x_1,y_1)$ and $B(x_2, y_2)$ internally in the ratio $m_1:m_2$ are	$\left(\frac{m_1x_2+m_2x_1}{m_1+m_2}, \frac{m_1y_2+m_2y_1}{m_1+m_2}\right)$

Physics

Sl.No. (Not Q.No.)	Question	Answers
1	A continuous and closed path of an electric current is called an	Electric circuit
2	If a net charge Q flows across any cross-section of a conductor in time t, then current I through the cross-section is	I=Q/t
3	One coulomb is equivalent to the charge contained in nearly	6.25 x 1018 electrons
4	Work done to move a unit charge from one point to the other in an electric circuit is called	Electric potential difference
5	SI unit of electrical potential difference is	Volt
6	The device used to measure electric current in a circuit is called	Ammeter
7	In an electric circuit, three resistors 5Ω , 10Ω and 15Ω are connected in series across a 60 V battery. Then the current flowing in the circuit is:	2 A
8	The heat produced in a 4Ω resistor when an electric current of 5 A flows in it for 2 seconds is	200 J
9	One kilowatt hour is equal to	3.6 x 1010 J
10	The power of an electric motor that takes 5 A electric current from a 220 V transmission line is	1100 W
11	The region surrounding a magnet in which the influence of that magnet can be detected is called	Magnetic field
12	If the electric current through a copper wire increases, the magnitude of the magnetic field produced at a given point	Increases
13	The magnetic field at all points inside a solenoid carrying electric current	Is uniform
14	The direction of force on a current carrying conductor in a magnetic field is given by	Fleming's left-hand rule
15	The magnetic field produced by a current carrying circular loop is strongest at	The center of the loop
16	In an electric circuit, the device used to prevent damage to the electrical appliances due to overloading is	Electric fuse
17	Which of the following is not an alloy?	Iron
18	Identify the wrong statement among the following	Inside the magnet, the direction of field lines is from north pole to south pole
19	SI unit of electrical resistivity is	Ω m.
20	Which of the following is an insulator?	Rubber

21	The image formed by a plane mirror is always	Virtual and Erect
22	The distance between the pole and the principal focus of a spherical mirror is called	Focal length
23	A diminished, virtual and erect image is formed by a	Convex Mirror
24	The mirror used by a dentist to see large image of the teeth of the patients is	Concave Mirror
25	A ray of light travelling in air enters obliquely into water	Bends towards the normal
26	The focal length of a spherical mirror is 10 cm. Its radius of curvature is	20 cm
27	An object placed between the principal focus and center of curvature of a convex lens forms an image	Beyond the center of curvature
28	The power of a lens is 4 D. Its focal length is	25 cm
29	If the height of the image is equal to the height of an object placed near a spherical lens, then the magnification m is	Equal to 1
30	An object is placed at a distance of 30 cm from a concave lens of focal length 20 cm. The image distance is	12 cm
31	The delicate membrane having enormous number of light sensitive cells is	Retina
32	The amount of light entering the eye is regulated and controlled by the	Pupil
33	The minimum distance at which the objects can be seen most distinctly without strain is called	Near point of the eye
34	A person can see distant objects clearly but cannot see nearby objects distinctly. The person is suffering from	Hypermetropia
35	The defect myopia can be corrected by using a	Concave lens
36	The band of the coloured components of a light beam is called its	Spectrum
37	The formation of a rainbow in the sky involves	Refraction, dispersion, reflection
38	Advance sunrise and delayed sunset are due to	Atmospheric refraction
39	The blue colour of clear sky is due to	Scattering of light
40	If the speed of light in glass is 2 x 108 m/s and the speed of light in air is 3×10^8 m/s, the refractive index of glass with respect to air is	1.5

Chemistry

Sl.No.	Question	Answers	
--------	----------	---------	--

(Not Q.No.)		
1	Why are cooking vessels made up of metals like copper and aluminium?	Because they are good conductors of heat
2	Why are metals like potassium and sodium stored in kerosene oil?	To prevent accidental fires due to their vigorous reaction with oxygen
3	What is the process of forming a thick oxide layer on aluminium called?	Anodising
4	What happens when zinc is added to a solution of iron (II) sulfate?	Zinc displaces iron and forms zinc sulfate
5	What type of bond is formed when a metal transfers electrons to a non-metal?	Ionic bond
6	What is the name of the process where carbonate ores are converted to oxides by heating in limited air?	Calcination
7	Which of the following is an ore of mercury?	Cinnabar
8	What kind of bond exists in a molecule of nitrogen (N)?	Triple bond
9	What makes graphite a good conductor of electricity?	Free electrons in its layered structure
10	What property allows carbon to form large molecules by bonding with itself?	Catenation
11	Compounds with the same molecular formula but different structures are called	Isomers
12	Which series contains compounds differing by a - CH ₂ unit?	Homologous series
13	Which functional group is present in carboxylic acids?	-СООН
14	Which substance can oxidize ethanol to ethanoic acid?	Alkaline potassium permanganate
15	What is the product formed when magnesium ribbon is burnt in oxygen?	Magnesium oxide
16	What is the law of conservation of mass?	Mass can neither be created nor destroyed in a chemical reaction
17	What is the significance of writing physical states in a chemical equation?	To provide information about the physical form of substances
18	What is the product formed when slaked lime reacts with carbon dioxide during whitewashing?	Calcium carbonate
19	Why does the iron nail become brownish when dipped in copper sulfate solution?	Copper gets deposited on the nail
20	What causes corrosion of iron?	Reaction with oxygen and moisture

21	What is the process called when fats and oils are oxidised and their smell taste change?	Rancidity
22	If someone in your family is suffering from acidity after overeating, which of the following would you suggest as a remedy?	Baking soda solution
23	Which of the following can be used as olfactory indicators?	Vanilla essence, onion and clove oil
24	Phenolphthalein is used as an indicator in the reaction between	Acid and base
25	Which of the following is a synthetic indicator?	Methyl orange
26	Why do acidic solutions conduct electricity?	Due to the presence of ions in the solution
27	Tooth decay begins when the pH of the mouth drops below	5.5
28	What chemical is responsible for the pain caused by a bee sting?	Methanoic acid
29	What is the chemical formula of Plaster of Paris?	CaSO ₄ .1/2H ₂ O
30	Which property of metals describes their shiny surface?	Metallic luster