

THE VOLUME EDUCATION ACADEMY

NEET (UG) — Official Answer Key | Model Paper | 180 Questions | Max Marks: 720

THE VOLUME EDUCATION ACADEMY

Dehradun, Uttarakhand

NEET (UG) — ANSWER KEY

Model Question Paper | Physics • Chemistry • Biology | 180 Questions

PHYSICS Q.1–Q.45

CHEMISTRY Q.46–
Q.90

BIOLOGY Q.91–
Q.180

Green = Correct
Answer

SECTION A — QUICK ANSWER KEY (All 180 Questions)

PHYSICS (Q.1 – Q.45) 45 Questions																	
Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	A	2	B	3	A	4	A	5	A	6	A	7	A	8	A	9	A
10	A	11	C	12	B	13	D	14	A	15	C	16	B	17	A	18	D
19	B	20	C	21	A	22	B	23	C	24	D	25	A	26	B	27	C
28	A	29	D	30	B	31	A	32	C	33	B	34	D	35	A	36	C
37	B	38	A	39	D	40	C	41	B	42	A	43	C	44	B	45	D
CHEMISTRY (Q.46 – Q.90) 45 Questions																	
Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
46	D	47	A	48	A	49	A	50	A	51	A	52	A	53	A	54	A
55	A	56	B	57	C	58	D	59	A	60	B	61	C	62	A	63	D
64	B	65	A	66	C	67	B	68	A	69	D	70	C	71	B	72	A
73	C	74	D	75	A	76	B	77	C	78	A	79	D	80	B	81	A
82	C	83	B	84	D	85	A	86	C	87	B	88	A	89	D	90	C
BIOLOGY (Q.91 – Q.180) 90 Questions																	
Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
91	A	92	A	93	A	94	D	95	A	96	A	97	A	98	A	99	A
100	A	101	B	102	C	103	D	104	A	105	B	106	C	107	A	108	D
109	B	110	A	111	C	112	B	113	A	114	D	115	C	116	B	117	A
118	D	119	C	120	B	121	A	122	C	123	B	124	D	125	A	126	C
127	B	128	A	129	D	130	C	131	B	132	A	133	D	134	C	135	B
136	A	137	D	138	C	139	B	140	A	141	C	142	B	143	D	144	A
145	C	146	B	147	A	148	D	149	C	150	B	151	A	152	C	153	B
154	D	155	A	156	C	157	B	158	A	159	D	160	C	161	B	162	A
163	D	164	C	165	B	166	A	167	D	168	C	169	B	170	A	171	D
172	C	173	B	174	A	175	D	176	C	177	B	178	A	179	D	180	C

SECTION B — TOPIC-WISE ANSWER KEY

Physics — Topic-wise Breakdown

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Q.	Topic	Ans	Q.	Topic	Ans
1	Circular Motion	A	24	Magnetic Effects	D
2	Work & Energy	B	25	Alternating Current	A
3	Atomic Spectra	A	26	Electrostatics	B
4	Capacitors	A	27	Rotational Motion	C
5	Resistance	A	28	Centre of Mass	A
6	Magnetism	A	29	Surface Tension	D
7	Atomic Physics	A	30	Viscosity	B
8	Elasticity	A	31	Kinetic Theory	A
9	Projectile Motion	A	32	Heat Transfer	C
10	Radioactivity	A	33	Electric Field	B
11	Laws of Motion	C	34	Gauss Law	D
12	Gravitation	B	35	Potentiometer	A
13	Thermodynamics	D	36	Wheatstone Bridge	C
14	Wave Optics	A	37	EM Induction	B
15	Ray Optics	C	38	Nuclear Physics	A
16	Current Electricity	B	39	X-Rays	D
17	Semiconductors	A	40	Photoelectric Effect	C
18	Dual Nature	D	41	de Broglie Waves	B
19	Electromagnetic Waves	B	42	Bohr Model	A
20	Communication	C	43	Logic Gates	C
21	Fluid Mechanics	A	44	Modulation	B
22	Oscillations	B	45	Refraction	D
23	Waves	C			

Chemistry — Topic-wise Breakdown

Q.	Topic	Ans	Q.	Topic	Ans
46	Electronic Configuration	D	69	Amines	D
47	IUPAC Nomenclature	A	70	Polymers	C
48	Chemical Equilibrium	A	71	Environmental Chemistry	B
49	Electrochemistry	A	72	Electrochemistry	A
50	Solutions	A	73	Kinetics	C
51	Organic Reactions (SN1)	A	74	s-Block Elements	D
52	VSEPR Theory	A	75	Metallurgy	A
53	Biomolecules	A	76	Isomerism	B
54	Aromatic Chemistry	A	77	Alcohol & Ethers	C
55	Hybridization	A	78	Phenols	A
56	Periodic Table	B	79	Nitrogen Compounds	D
57	Chemical Bonding	C	80	Qualitative Analysis	B
58	Thermochemistry	D	81	Colligative Properties	A

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59	Atomic Structure	A	82	Buffer Solutions	C
60	Redox Reactions	B	83	Ionic Equilibrium	B
61	Solid State	C	84	Nuclear Chemistry	D
62	Surface Chemistry	A	85	Stereochemistry	A
63	Coordination Chemistry	D	86	Grignard Reagent	C
64	Halogen Family	B	87	Spectroscopy	B
65	p-Block Elements	A	88	Dyes & Pigments	A
66	d & f Block	C	89	Drugs & Medicine	D
67	Aldehydes & Ketones	B	90	Detergents	C
68	Carboxylic Acids	A			

Biology — Topic-wise Breakdown

Q.	Topic	Ans	Q.	Topic	Ans
91	Meiosis	A	136	Immune System	A
92	DNA Replication	A	137	Body Fluids	D
93	Genetics History	A	138	Reproductive Health	C
94	Evolution	D	139	Embryonic Development	B
95	Photosystem I	A	140	Human Genome	A
96	Vitamins	A	141	Hardy Weinberg	C
97	Oogenesis	A	142	Origin of Life	B
98	Genetic Disorders	A	143	Human Evolution	D
99	Neural Control	A	144	Genetic Engineering	A
100	Biotechnology	A	145	Tissue Culture	C
101	Cell Division	B	146	Bioreactors	B
102	Biomolecules	C	147	Population Growth	A
103	Enzymes	D	148	Interspecific Interactions	D
104	Digestion	A	149	Biogeochemical Cycles	C
105	Breathing	B	150	Food Production Advanced	B
106	Circulation	C	151	Digestion Advanced	A
107	Excretion	A	152	Respiratory Volumes	C
108	Locomotion	D	153	Heart Structure	B
109	Chemical Coordination	B	154	Nephron	D
110	Reproduction in Organisms	A	155	Hormones	A
111	Sexual Reproduction	C	156	Gametogenesis	C
112	Mendelian Genetics	B	157	Parturition	B
113	Molecular Basis	A	158	Contraception	A
114	Microbes	D	159	STDs	D
115	Recombinant DNA	C	160	Test Tube Baby	C
116	Organisms & Environment	B	161	Genetic Code	B
117	Ecosystem	A	162	Regulation of Gene	A

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118	Biodiversity	D	163	Human Diseases	D
119	Environmental Issues	C	164	Innate Immunity	C
120	Food Production	B	165	Antibodies	B
121	Plant Kingdom	A	166	Cancer	A
122	Animal Kingdom	C	167	Drugs & Alcohol	D
123	Morphology of Plants	B	168	Transgenic Organisms	C
124	Anatomy of Plants	D	169	Gene Therapy	B
125	Cell Structure	A	170	Biopiracy	A
126	Transport in Plants	C	171	Species Interactions	D
127	Mineral Nutrition	B	172	Succession	C
128	Plant Growth	A	173	Energy Flow	B
129	Respiration in Plants	D	174	Pyramid of Biomass	A
130	Photosynthesis Advanced	C	175	Ozone Depletion	D
131	Structural Organisation	B	176	Water Pollution	C
132	Biological Classification	A	177	Biomagnification	B
133	Living World	D	178	Hot Spots	A
134	Neural Tissue	C	179	Ex-situ Conservation	D
135	Sense Organs	B	180	Sacred Groves	C

SECTION C — SCORE CALCULATOR & CUTOFF GUIDE

Score Formula	Category Cutoff (Approx.)	Score Range Interpretation
Score = (Correct × 4) – (Wrong × 1) Maximum Score: 720 Wrong answers: –1 each Unattempted: 0 marks	General Category: 550+ OBC: 435+ SC / ST: 435+ PwD (General): 550+ <i>(Cutoffs vary each year)</i>	600–720: Excellent (AIIMS / Top Govt.) 500–599: Good (State Quota Seats) 400–499: Average (Private Colleges) Below 400: Needs Improvement

*** END OF ANSWER KEY ***

This answer key is for the NEET Model Question Paper. For official results visit nta.ac.in.