

NEET 2017

A Detailed Analysis by Resonance

As per the directions of honorable Supreme Court, NEET 2017 was conducted as per the schedule (7th May 2017). This exam is conducted for entrance into state and national level medical colleges for MBBS, BDS, BAMS, BHS courses). NEET exam was first conducted in 2013 and now has been re-introduced.

DETAILS OF NEET 2017

NEET 2017 was conducted in one paper consisting of 45 questions each from Physics and Chemistry, and 90 questions from Biology, which consists of Zoology and Botany subjects (180 questions in total). The exam was conducted on 7th May from 10:00 am to 01:00 pm. **The duration of test was 3 hours.**

ELIGIBILITY CRITERIA:

As per CBSE, in order to be eligible for admission to MBBS/BDS Courses for a particular academic year, it shall be necessary for a candidate to obtain minimum of marks at 50th percentile in National Eligibility Cum Entrance Test to MBBS/BDS Courses held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes, the minimum marks shall be at 40th percentile. The percentile shall be determined on the basis of highest marks secured in the All India common merit list in National Eligibility Cum Entrance Test for admission to MBBS/BDS courses.

ANNUAL INTAKE:

Admissions to all seats of MBBS/BDS courses will be done through NATIONAL ELIGIBILITY CUM ENTRANCE TEST (UG), 2017. The seats are classified in the following categories: -

- (i) All India Quota Seats
- (ii) State Government Quota Seats
- (iii) State/Private/Management/NRI Quota Seats in all Private Medical / Dental Colleges or any Private/ Deemed University
- (iv) Central Pool Quota Seats

According to the data listed on the website of Medical Council of India, Total Seats eligible for admission through NEET 2017 are 63985. Out of which, 28115 seats are being offered in Government colleges.

Given below is the subject wise detailed analysis of NEET 2017 question paper.

OVERALL MARKS DISTRIBUTION

The paper had 180 questions each worth 4 marks. All questions were objective type with single correct option. If we talk about subject wise, then there were 45 questions from Physics and Chemistry, and 90 questions were from Biology (Zoology and Botany sections of Biology).

Subject	Class XI		Class XII		Total	
	No. of Questions	Total Marks	No. of Questions	Total Marks	No. of Questions	Total Marks
Botany	28	112	22	88	50	200
Chemistry	16	64	29	116	45	180
Physics	19	76	26	104	45	180
Zoology	25	100	15	60	40	160
Grand Total	88	352	92	368	180	720

OVERALL DIFFICULTY LEVEL ANALYSIS

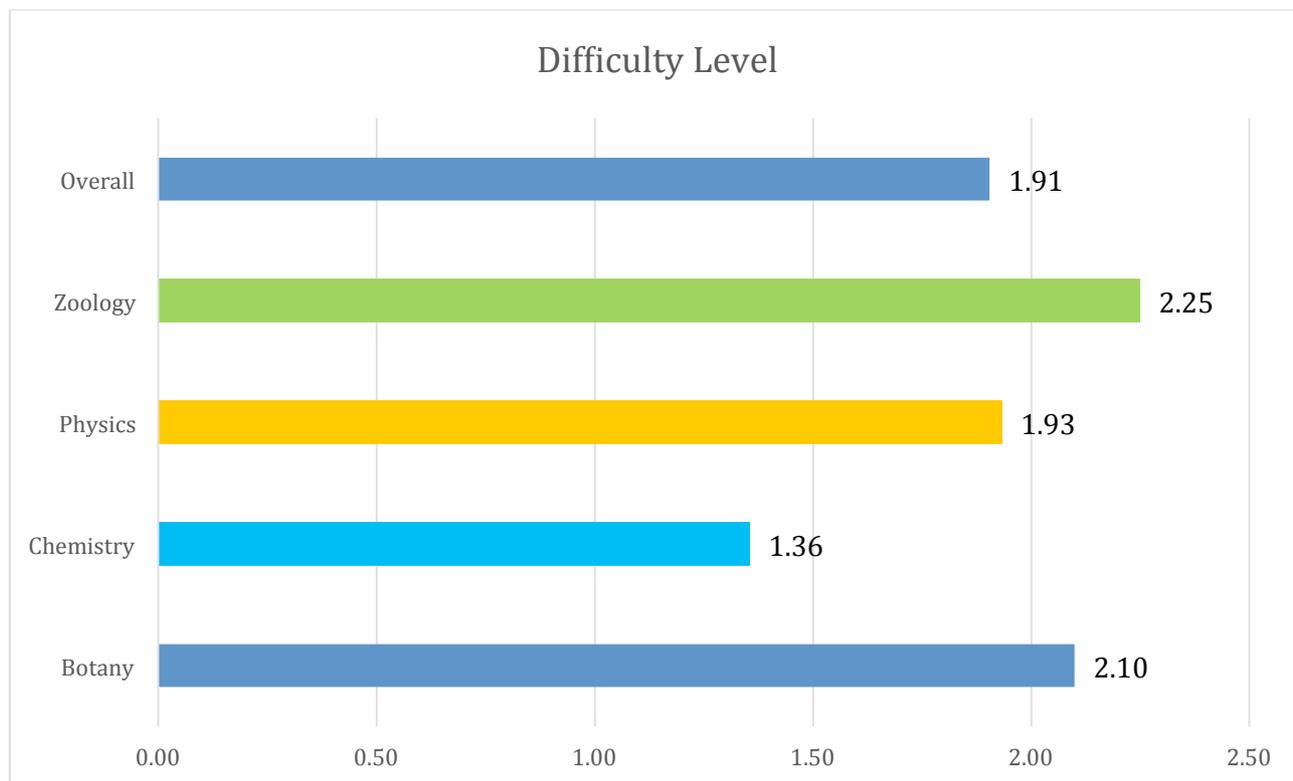
In this analysis we have rated every question on a scale of 1 to 3. The ratings are given by expert faculty of Resonance. The individual ratings are then averaged to calculate overall difficulty level.

1: Easy

2: Moderate

3: Difficult

Subject	2017	2016 NEET-2	2016 NEET-1	2015
Botany	2.1	1.98	1.80	1.84
Chemistry	1.36	1.76	2.02	1.6
Physics	1.93	1.80	1.96	1.87
Zoology	2.25	1.74	1.98	1.84
Overall	1.91	1.83	1.93	1.74

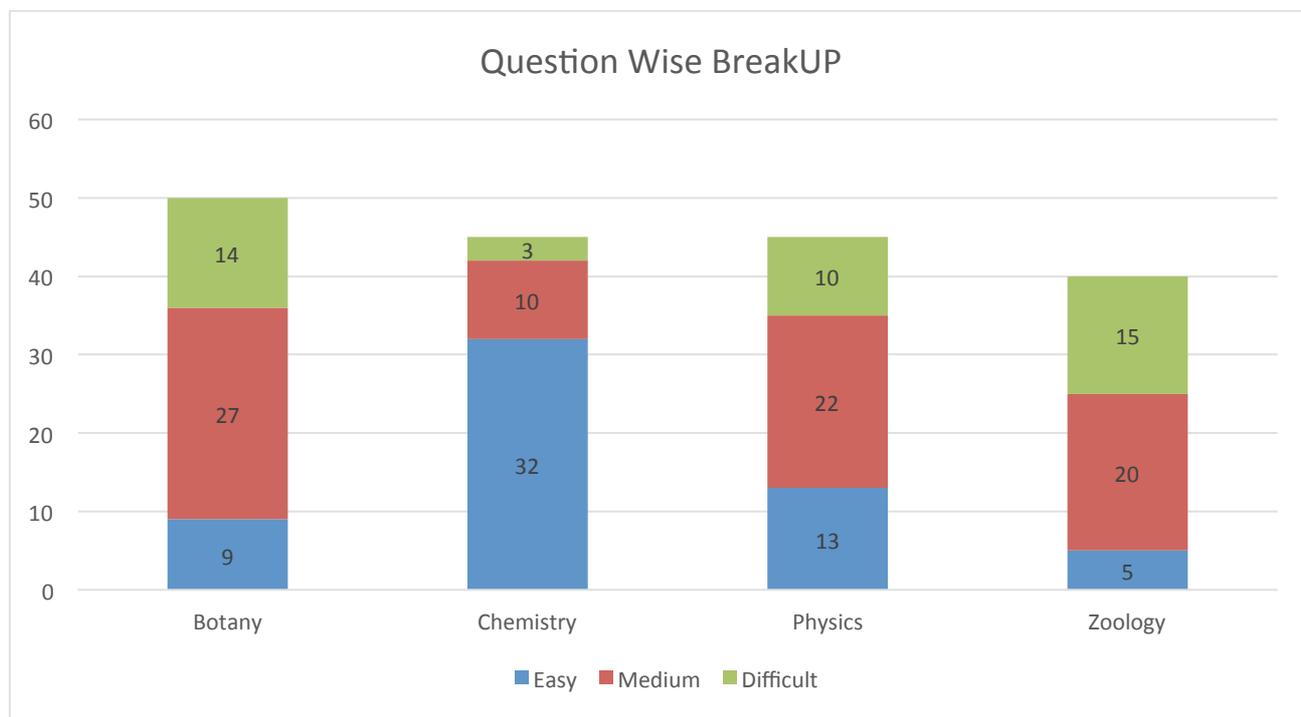


Difficulty Level Analysis: No of Questions

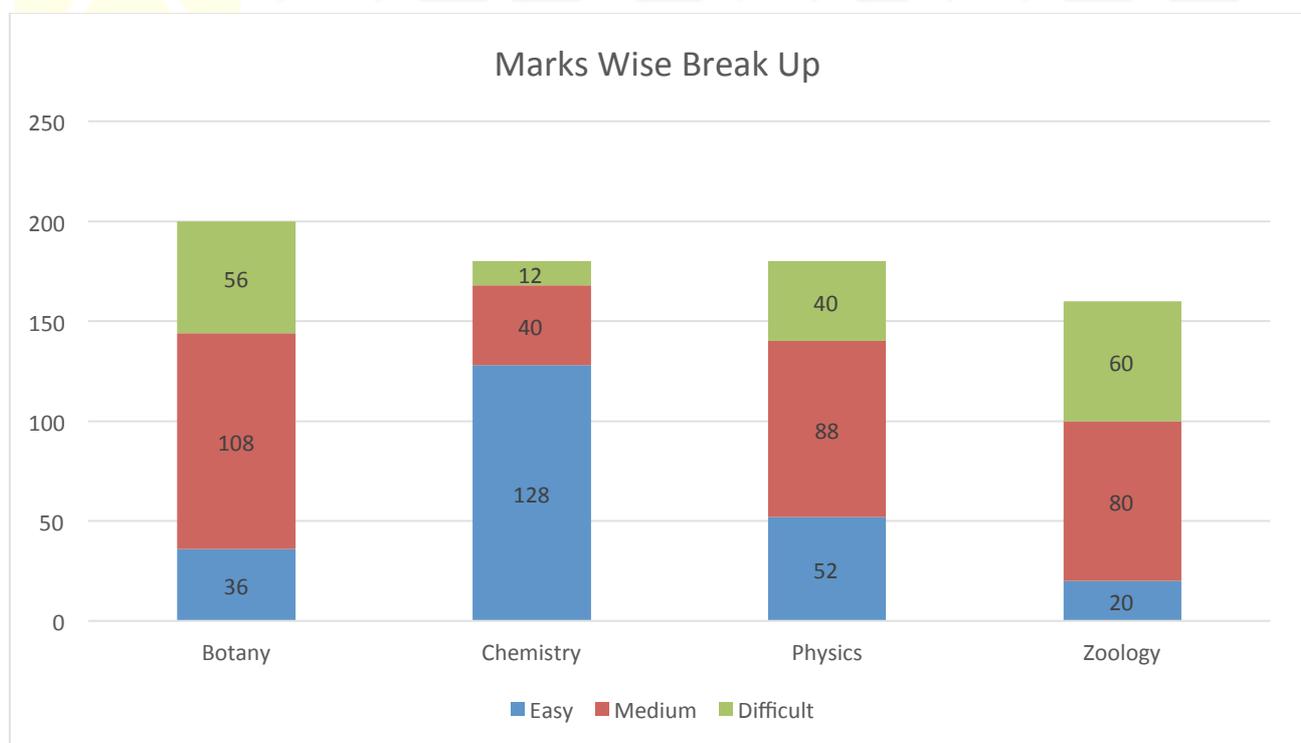
Subjects	Easy Level		Medium Level		Difficult Level	
	No. of Questions	Total Marks	No. of Questions	Total Marks	No. of Questions	Total Marks
Botany	9	36	27	108	14	56
Chemistry	32	128	10	40	3	12
Physics	13	52	22	88	10	40
Zoology	5	20	20	80	15	60
Grand Total	59	236	79	316	42	168

Resonance Experts feel that the difficulty level of NEET 2017 was similar to difficulty level of NEET-1 of 2016. Chemistry was on easier side compared to other subjects. Botany and Zoology was on tougher side compared to Chemistry and Physics. While around 236 Marks can be considered easy overall, 316 marks are moderately difficulty and 168 marks are considered difficult by Resonance Team.

Question Wise Difficulty Breakup



Marks Wise Difficulty Breakup



PHYSICS ANALYSIS

PHYSICS			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Physics	45	180	100.00%
Electrodynamics	10	40	22.22%
Capacitance	1	4	2.22%
Current Electricity	2	8	4.44%
Electro Magnetic Field	3	12	6.67%
Electro Magnetic Induction	2	8	4.44%
Electrostatics	2	8	4.44%
Heat & Thermodynamics	5	20	11.11%
Heat Transfer	2	8	4.44%
KTG & Thermodynamics	3	12	6.67%
Mechanics	13	52	28.89%
Circular Motion	1	4	2.22%
Elasticity & Viscosity	1	4	2.22%
Fluid Mechanics & Properties of Matter	1	4	2.22%
Gravitation	2	8	4.44%
Newton's Laws of Motion	1	4	2.22%
Rectilinear Motion & Vectors	1	4	2.22%
Relative Motion	1	4	2.22%
Rigid Body Dynamics	3	12	6.67%
Unit & Dimension	1	4	2.22%
Work, Power & Energy	1	4	2.22%
Modern Physics	8	32	17.78%
Electromagnetic waves & communication	1	4	2.22%
Modern Physics	3	12	6.67%
Nuclear Physics	1	4	2.22%
Semiconductors	3	12	6.67%
Optics	5	20	11.11%
Geometrical Optics & Physical Optics	2	8	4.44%
Wave optics	3	12	6.67%
SHM & Waves	4	16	8.89%
SHM	2	8	4.44%
Sound Waves	2	8	4.44%
Grand Total	45	180	100.00%

CHEMISTRY ANALYSIS

CHEMISTRY			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Chemistry	45	180	100.00%
Inorganic Chemistry-I	8	32	17.78%
Chemical Bonding	5	20	11.11%
p-block	1	4	2.22%
Periodic Table & Periodicity in Properties	1	4	2.22%
s-block	1	4	2.22%
Inorganic Chemistry-II	8	32	17.78%
Coordination Compounds	4	16	8.89%
d-block & f-block Elements	2	8	4.44%
Metallurgy	1	4	2.22%
Qualitative Analysis	1	4	2.22%
Organic Chemistry-I	3	12	6.67%
General Organic Chemistry- II	3	12	6.67%
Organic Chemistry-II	13	52	28.89%
Alkyl Halide, Alcohol & Ether (Reaction Mechanism)	2	8	4.44%
Aromatic Compounds	1	4	2.22%
Biomolecules	1	4	2.22%
Carbonyl Compounds	4	16	8.89%
Chemistry in Everyday Life	1	4	2.22%
Environmental chemistry	1	4	2.22%
IUPAC & Isomerism	2	8	4.44%
Practical Organic Chemistry	1	4	2.22%
Physical Chemistry-I	7	28	15.56%
Atomic Structure & Nuclear Chemistry	1	4	2.22%
Chemical Equilibrium	2	8	4.44%
Ionic Equilibrium	1	4	2.22%
Mole Concept	1	4	2.22%
Thermodynamics and Thermochemistry	2	8	4.44%
Physical Chemistry-II	6	24	13.33%
Chemical Kinetics	2	8	4.44%
Electrochemistry	1	4	2.22%
Solid State	1	4	2.22%
Solution & Colligative Properties	1	4	2.22%
Surface Chemistry	1	4	2.22%
Grand Total	45	180	100.00%

BIOLOGY ANALYSIS

BOTANY:

BOTANY			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Botany	50	200	100.00%
Biological Classification	3	12	6.00%
Kingdom Monera	2	8	4.00%
Virus	1	4	2.00%
Cell Biology	4	16	8.00%
Cell Division	2	8	4.00%
Mitochondria	1	4	2.00%
Prokaryotic Cell	1	4	2.00%
Ecology	6	24	12.00%
biodiversity	1	4	2.00%
Biosphere Reserve	1	4	2.00%
Ecosystem	1	4	2.00%
Environmental Issues	1	4	2.00%
Population Growth Model	1	4	2.00%
Stratification	1	4	2.00%
Genetics	5	20	10.00%
Blood Grouping	1	4	2.00%
Genetic Disorders	2	8	4.00%
Mendel's Biography	1	4	2.00%
Mendel's Selected Characters	1	4	2.00%
Living World	1	4	2.00%
Taxonomic Aids	1	4	2.00%
Molecular Basis of Inheritance	6	24	12.00%
DNA Packaging	1	4	2.00%
DNA Replication	2	8	4.00%
Genetic Code	1	4	2.00%
Genetic Material	1	4	2.00%
RNA processing	1	4	2.00%
Morphology	1	4	2.00%
Root Modification	1	4	2.00%
Morphology of flowering plants	1	4	2.00%
Fruit	1	4	2.00%
Plant Anatomy	3	12	6.00%
Secondary Growth	2	8	4.00%
Wood	1	4	2.00%
Plant Kingdom	6	24	12.00%
Algae	2	8	4.00%
Angiosperms	1	4	2.00%
Gymnosperms	1	4	2.00%

Life Cycles	1	4	2.00%
Mycorrhizae	1	4	2.00%
Plant Morphology	2	8	4.00%
Root	1	4	2.00%
Stem Modification	1	4	2.00%
Cellular Respiration	1	4	2.00%
Mineral Nutrition- Biological Nitrogen Fixation	1	4	2.00%
Photosynthesis	2	8	4.00%
Plant Growth and Development	1	4	2.00%
Water Transport	1	4	2.00%
Water Transport- Water Potential	1	4	2.00%
Reproduction in Flowering Plant	5	20	10.00%
Embryo Sac	1	4	2.00%
Endosperm	1	4	2.00%
Pollination	3	12	6.00%
Grand Total	50	200	100.00%

ZOOLOGY:

ZOOLOGY			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Zoology	40	160	100.00%
Animal Kingdom	3	12	7.50%
Chordates and Hemichordates	1	4	2.50%
Mammals	1	4	2.50%
Porifera	1	4	2.50%
Animal Morphology	1	4	2.50%
Frog	1	4	2.50%
Animal Physiology	1	4	2.50%
Frog Reproductive System	1	4	2.50%
Biomolecules	4	16	10.00%
DNA	1	4	2.50%
Enzymes	1	4	2.50%
Lipids	1	4	2.50%
RNA processing	1	4	2.50%
Biotechnology	3	12	7.50%
Artificial Vector	1	4	2.50%
PAGE	2	8	5.00%
Evolution	1	4	2.50%
Horse Evolution	1	4	2.50%
Human Health and Disease	3	12	7.50%
Immune System	2	8	5.00%
Infectious Disease	1	4	2.50%
Human Physiology	16	64	40.00%
Circulatory System	1	4	2.50%
Digestive System	3	12	7.50%
Endocrine System	4	16	10.00%
Excretory System	2	8	5.00%
Nervous System	2	8	5.00%
Respiratory System	1	4	2.50%
Sense Organs	1	4	2.50%
Skeleton System	2	8	5.00%
Human Reproduction	1	4	2.50%
Male Reproductive System	1	4	2.50%
Microbes in Human Welfare	3	12	7.50%
Bioprocessing	1	4	2.50%
Industrial Products	1	4	2.50%
Sewage Treatment	1	4	2.50%
Reproductive Health	2	8	5.00%
Artificial Fertilisation	1	4	2.50%
Contraceptives Method	1	4	2.50%
Strategies for Enhancement of Food Production	2	8	5.00%

Animal Husbandry	1	4	2.50%
Artificial Selection	1	4	2.50%
Grand Total	40	160	100.00%