

Paper Analysis - NEET (AIPMT) - 2018

This year as many 13.26 lakh students had enrolled themselves for the NEET Exam. Of the total, 5,80,648 are male and 7,46,076 candidates are females

After remaining highlighted in the news for quite a while, NEET 2018 was conducted successfully on May 6 with an overall difficulty level of Moderate. This exam was conducted for getting entrance into State and National level medical colleges for courses in MBBS, BDS, BAMS & BHS. Physics was the difficult section of the paper, compared to Biology and Chemistry which were on the higher difficulty side.

Details of NEET – 2018

Paper of NEET 2018 consisted 45 questions each from Physics and Chemistry, and 90 questions from Biology combining Zoology and Botany subjects thereby making 180 questions in total. This exam was conducted on 6th May from 10:00 am to 01:00 pm. Below, you can see the subject wise detailed analysis of NEET-2018 question paper.

Overall Marks Distribution

The paper pattern of NEET 2018 was same as that of NEET 2017 last year. The paper had 180 questions each carried 4 marks. All questions were of objective type with single correct option.

Subject wise questions in NEET 2018

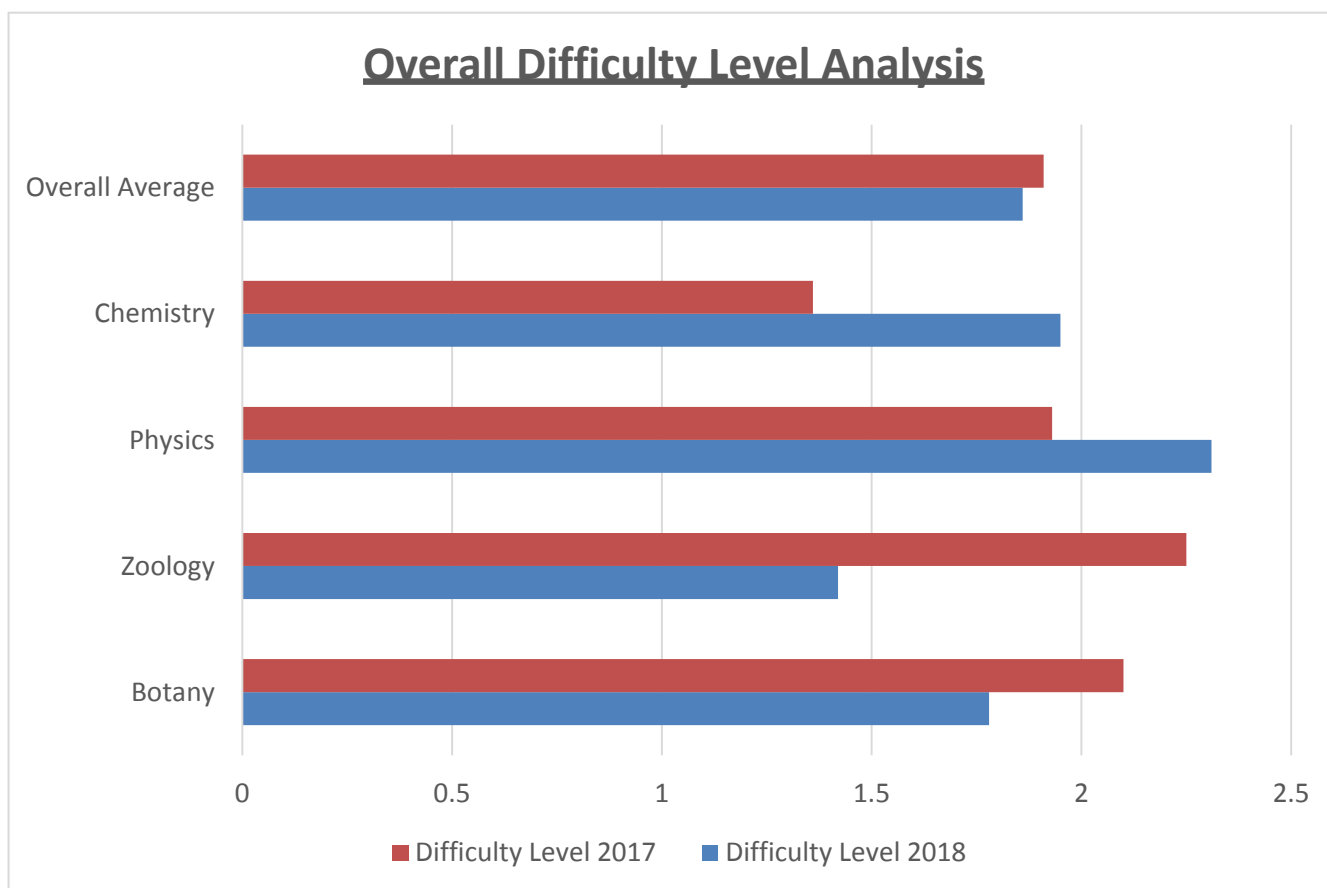
| Subject | Class XI | | Class XII | | Overall | |
|--------------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|
| | Number of Questions | Total Marks | Number of Questions | Total Marks | Number of Questions | Total Marks |
| Botany | 20 | 80 | 28 | 112 | 48 | 192 |
| Zoology | 30 | 120 | 12 | 48 | 42 | 168 |
| Physics | 22 | 88 | 23 | 92 | 45 | 180 |
| Chemistry | 19 | 76 | 26 | 104 | 45 | 180 |
| Grand Total | 91 | 364 | 89 | 356 | 180 | 720 |

Overall Difficulty Level Analysis

In this analysis, every question is rated on a scale of 1 to 3. The individual ratings are then averaged to calculate overall difficulty level.

1: Easy 2: Moderate 3: Difficult

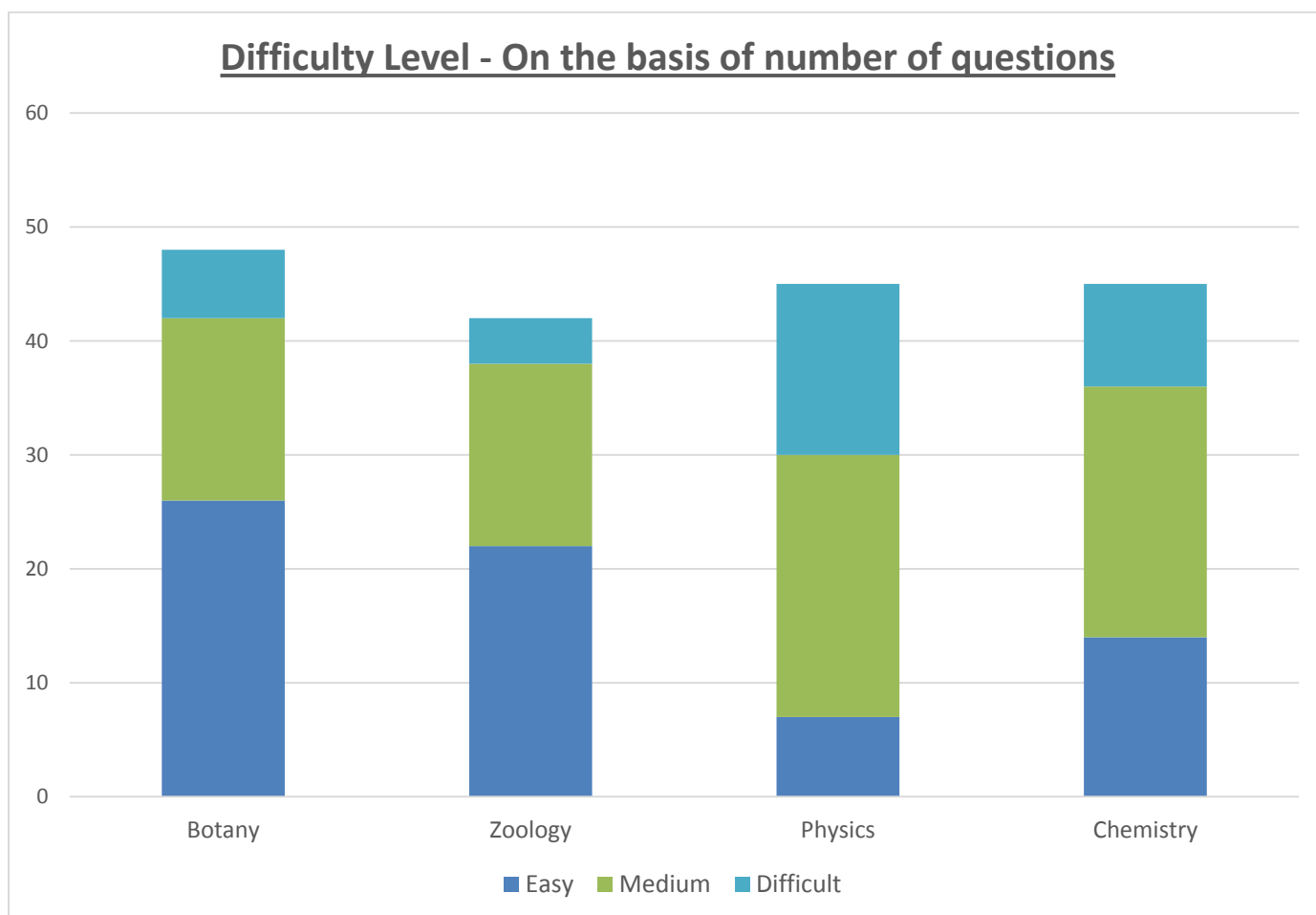
| Subject | Difficulty Level 2018 | Difficulty Level 2017 |
|-----------------|-----------------------|-----------------------|
| Botany | 1.78 | 2.10 |
| Zoology | 1.42 | 2.25 |
| Physics | 2.31 | 1.93 |
| Chemistry | 1.95 | 1.36 |
| Overall Average | 1.86 | 1.91 |



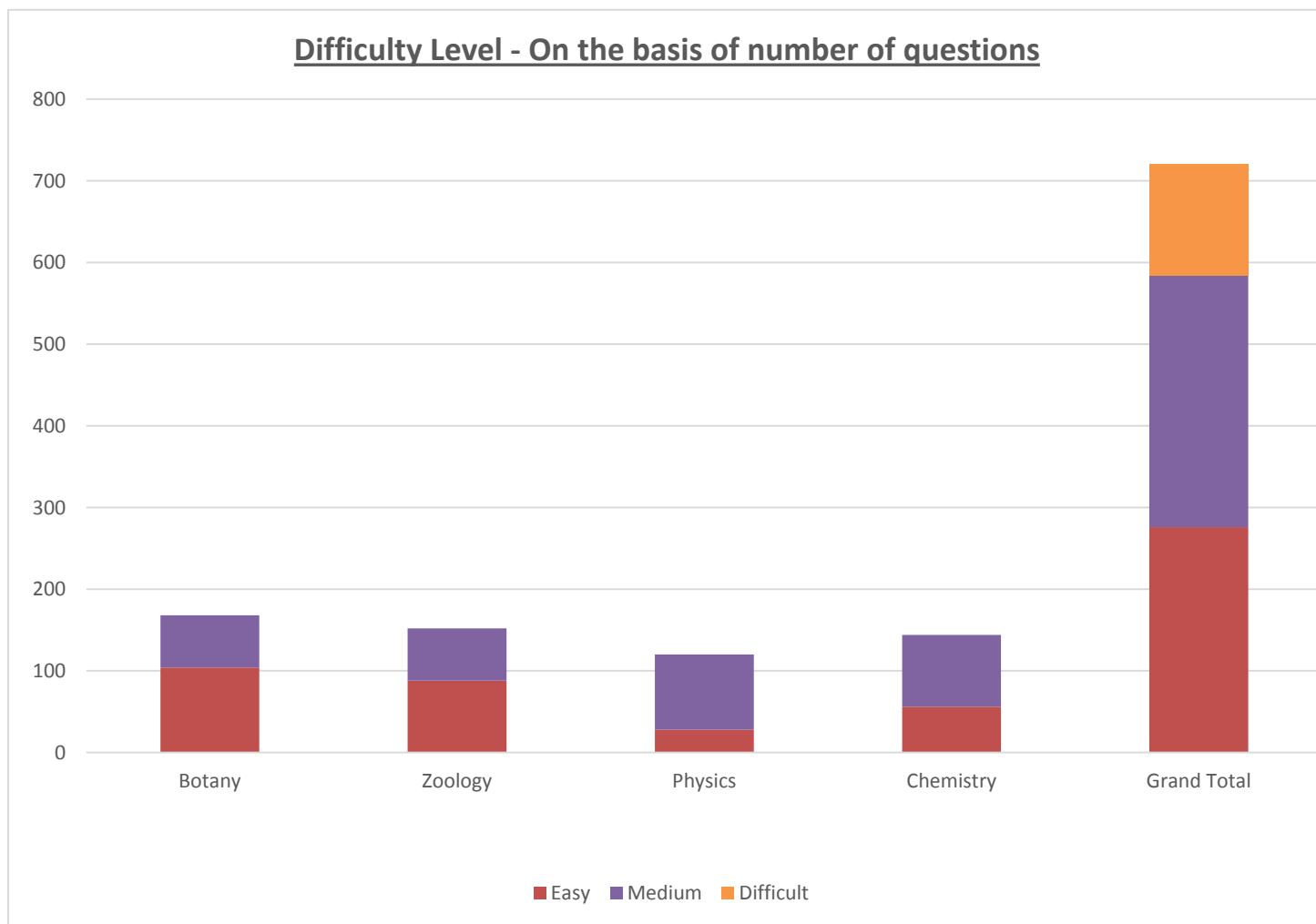
Difficulty Level Analysis: No of Questions

| Subject | Easy | | Medium | | Difficult | |
|--------------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|
| | Number of Questions | Total Marks | Number of Questions | Total Marks | Number of Questions | Total Marks |
| Botany | 26 | 104 | 16 | 64 | 6 | 24 |
| Zoology | 22 | 88 | 16 | 64 | 4 | 16 |
| Physics | 7 | 28 | 23 | 92 | 15 | 60 |
| Chemistry | 14 | 56 | 22 | 88 | 9 | 36 |
| Grand Total | 69 | 276 | 79 | 308 | 34 | 136 |

Difficulty Level - On the basis of number of questions



askITians experts feel that each question of the paper has different difficulty level. There were some easy questions, some medium level questions and some questions were tough also. Overall, Physics was comparatively at a higher difficulty level as compared to Biology and Chemistry.



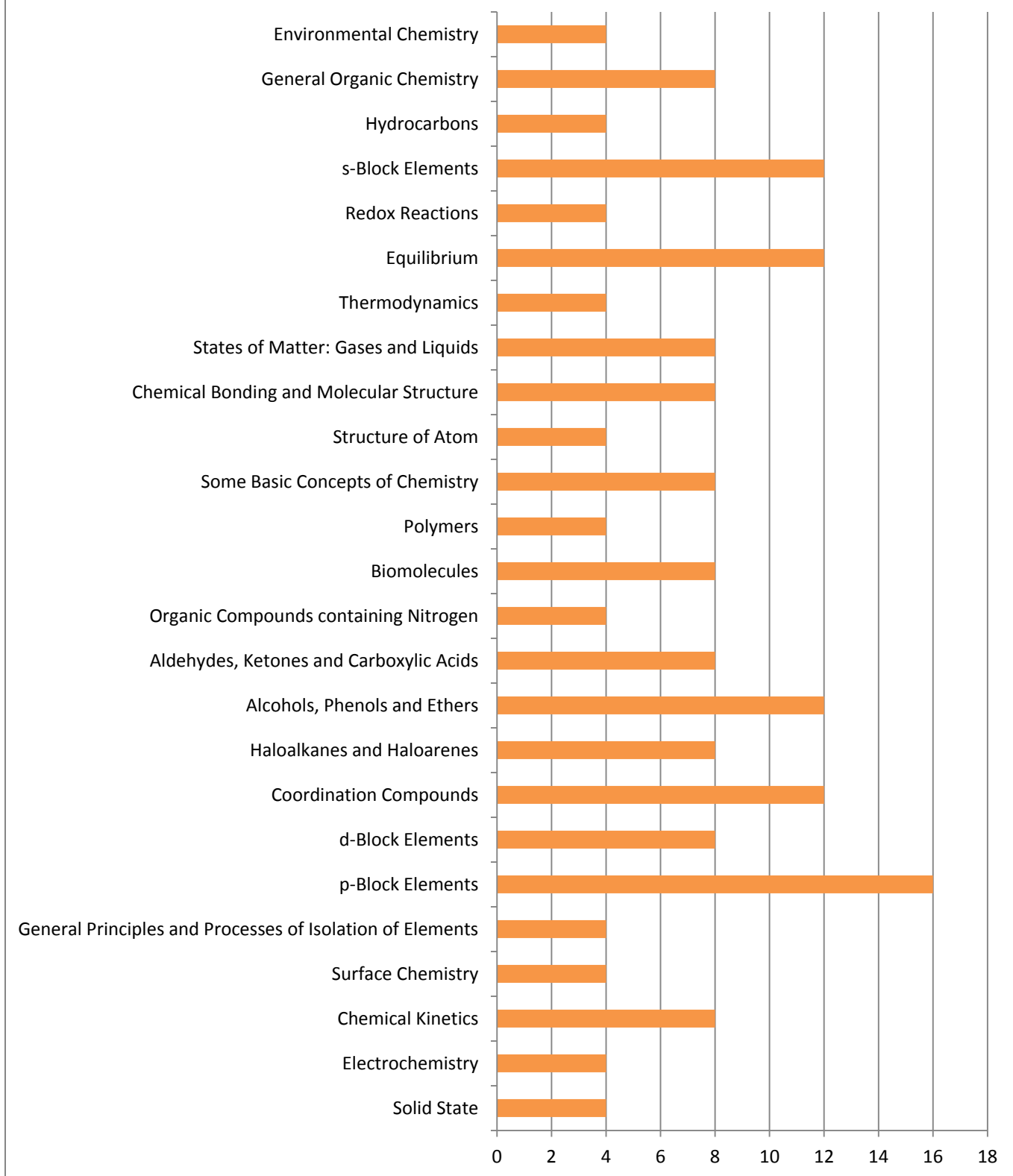
Subject Wise Analysis

A – Chemistry

Topic wise allocation of Questions & Marks

| Chapter Name | Class | No. of Ques. | Marks | % Weightage |
|---|-------------------------------------|--------------|-------|-------------|
| Solid State | 12 th | 1 | 4 | 2% |
| Electrochemistry | 12 th | 1 | 4 | 2% |
| Chemical Kinetics | 12 th | 2 | 8 | 4% |
| Surface Chemistry | 12 th | 1 | 4 | 2% |
| General Principles and Processes of Isolation of Elements | 12 th | 1 | 4 | 2% |
| p-Block Elements | 12 th + 11 th | 4 | 16 | 9% |
| d-Block Elements | 12 th | 2 | 8 | 4% |
| Coordination Compounds | 12 th | 3 | 12 | 7% |
| Haloalkanes and Haloarenes | 12 th | 2 | 8 | 4% |
| Alcohols, Phenols and Ethers | 12 th | 3 | 12 | 7% |
| Aldehydes, Ketones and Carboxylic Acids | 12 th | 2 | 8 | 4% |
| Organic Compounds containing Nitrogen | 12 th | 1 | 4 | 2% |
| Biomolecules | 12 th | 2 | 8 | 4% |
| Polymers | 12 th | 1 | 4 | 2% |
| Some Basic Concepts of Chemistry | 11 th | 2 | 8 | 4% |
| Structure of Atom | 11 th | 1 | 4 | 2% |
| Chemical Bonding and Molecular Structure | 11 th | 2 | 8 | 4% |
| States of Matter: Gases and Liquids | 11 th | 2 | 8 | 4% |
| Thermodynamics | 11 th | 1 | 4 | 2% |
| Equilibrium | 11 th | 3 | 12 | 7% |
| Redox Reactions | 11 th | 1 | 4 | 2% |
| s-Block Elements | 11 th | 3 | 12 | 7% |
| Hydrocarbons | 11 th | 1 | 4 | 2% |
| General Organic Chemistry | 11 th | 2 | 8 | 4% |
| Environmental Chemistry | 11 th | 1 | 4 | 2% |

Topic Wise Marks - Chemistry

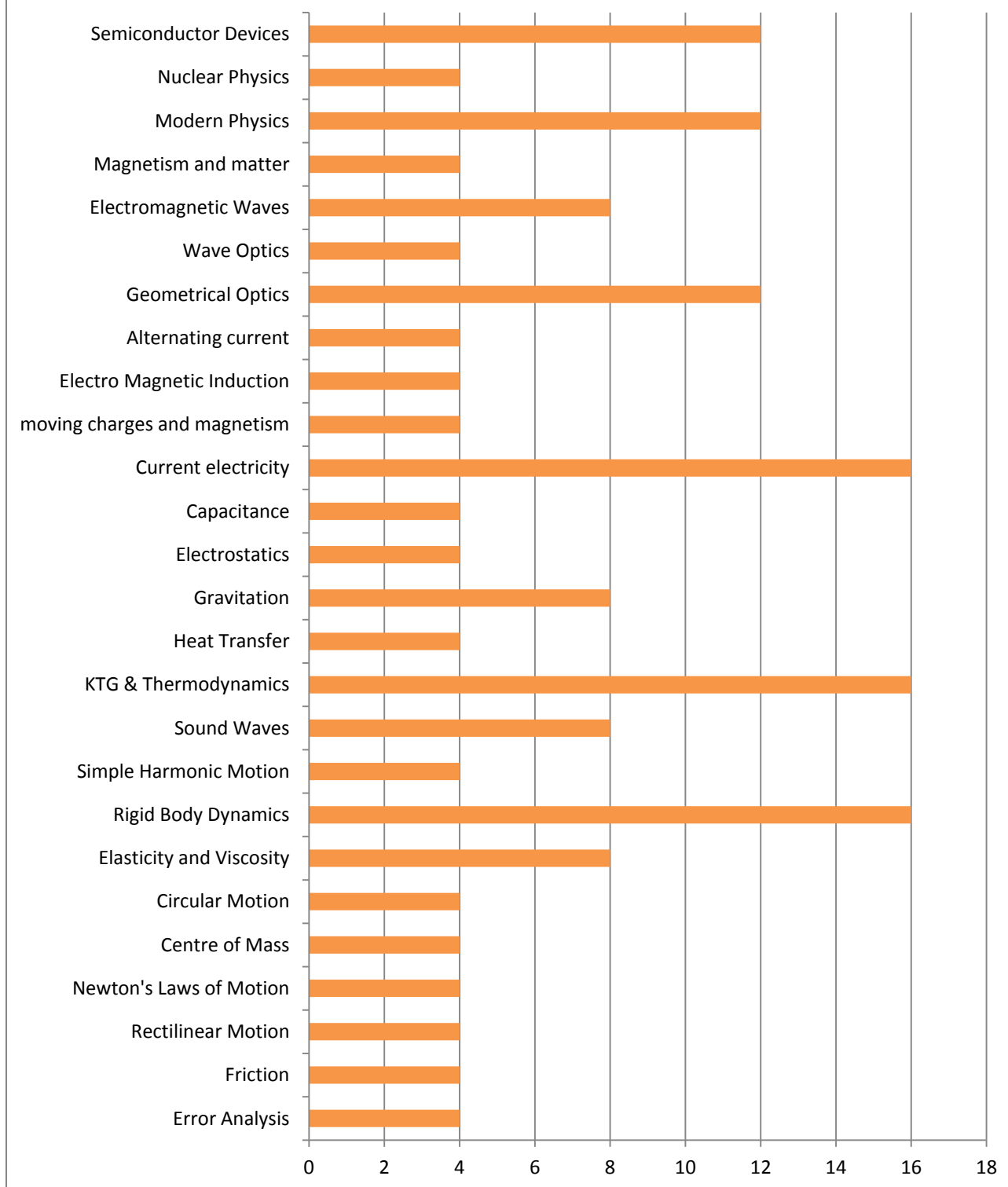


B - Physics

Topic wise allocation of Questions & Marks

| Chapter Name | Class | No. of Ques. | Marks | % Weightage |
|------------------------------|------------------|--------------|-------|-------------|
| Error Analysis | 11 th | 1 | 4 | 2% |
| Friction | 11 th | 1 | 4 | 2% |
| Rectilinear Motion | 11 th | 1 | 4 | 2% |
| Newton's Laws of Motion | 11 th | 1 | 4 | 2% |
| Centre of Mass | 11 th | 1 | 4 | 2% |
| Circular Motion | 11 th | 1 | 4 | 2% |
| Elasticity and Viscosity | 11 th | 2 | 8 | 4% |
| Rigid Body Dynamics | 11 th | 4 | 16 | 9% |
| Simple Harmonic Motion | 11 th | 1 | 4 | 2% |
| Sound Waves | 11 th | 2 | 8 | 4% |
| KTG & Thermodynamics | 11 th | 4 | 16 | 9% |
| Heat Transfer | 11 th | 1 | 4 | 2% |
| Gravitation | 11 th | 2 | 8 | 4% |
| Electrostatics | 12 th | 1 | 4 | 2% |
| Capacitance | 12 th | 1 | 4 | 2% |
| Current electricity | 12 th | 4 | 16 | 9% |
| moving charges and magnetism | 12 th | 1 | 4 | 2% |
| Electro Magnetic Induction | 12 th | 1 | 4 | 2% |
| Alternating current | 12 th | 1 | 4 | 2% |
| Geometrical Optics | 12 th | 3 | 12 | 7% |
| Wave Optics | 12 th | 1 | 4 | 2% |
| Electromagnetic Waves | 12 th | 2 | 8 | 4% |
| Magnetism and matter | 12 th | 1 | 4 | 2% |
| Modern Physics | 12 th | 3 | 12 | 7% |
| Nuclear Physics | 12 th | 1 | 4 | 2% |
| Semiconductor Devices | 12 th | 3 | 12 | 7% |

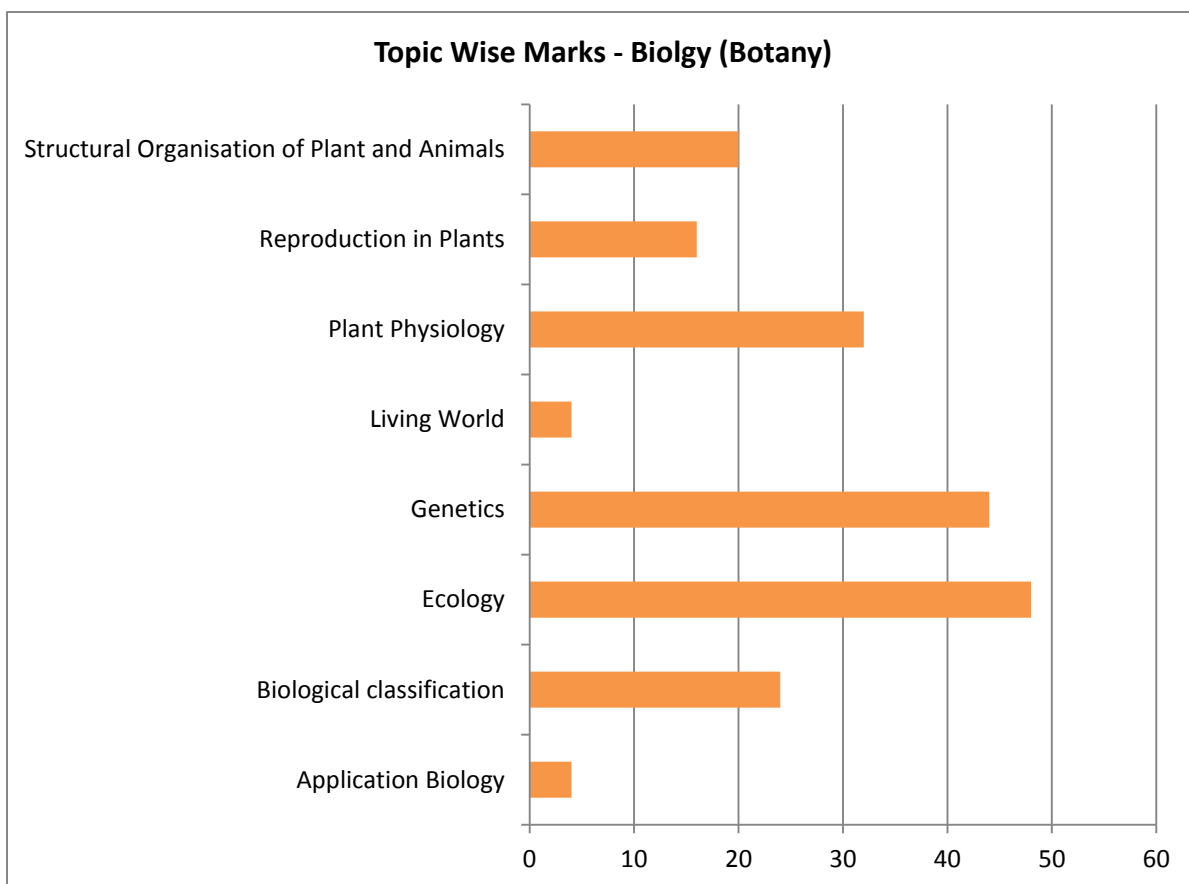
Topic Wise Marks - Physics



C – Biology (Botany)

Topic wise allocation of Questions & Marks

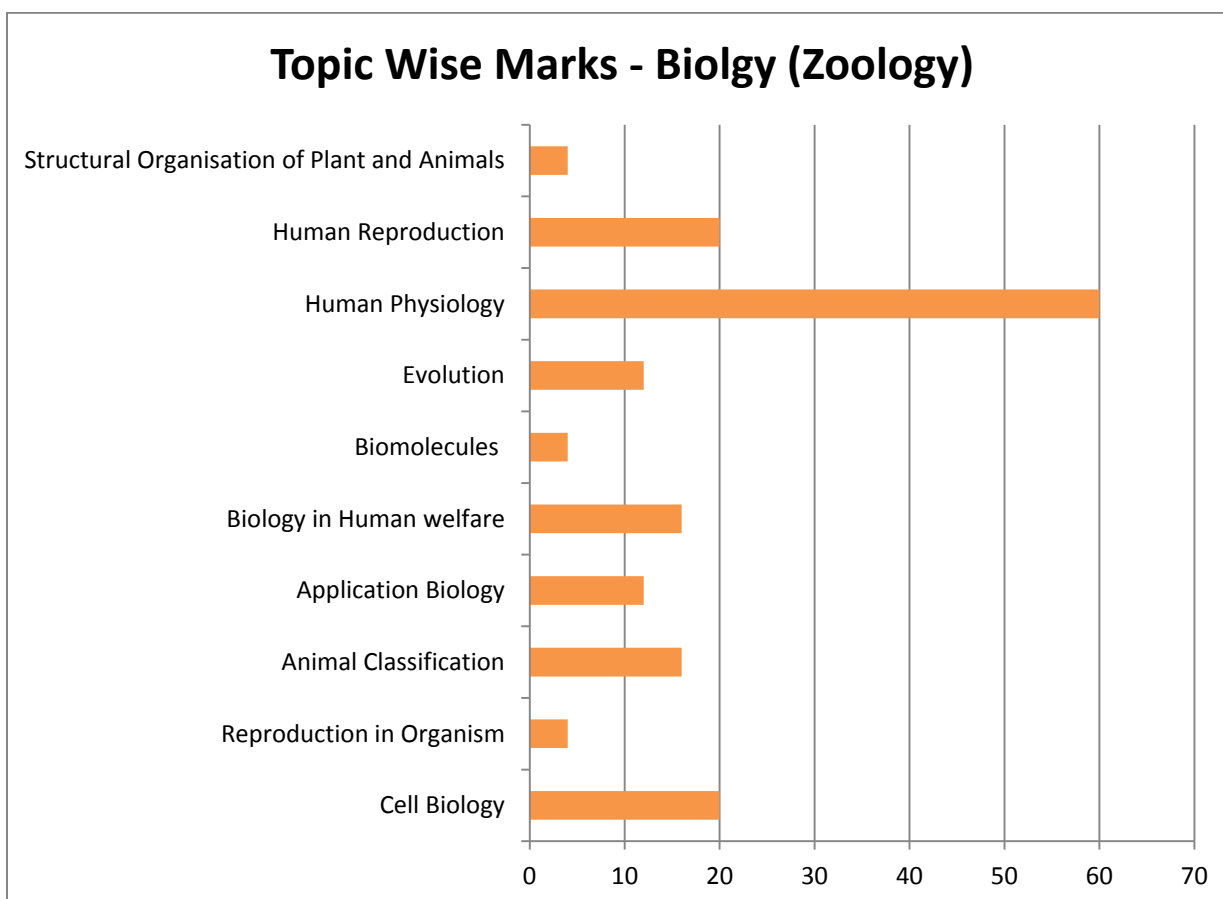
| Botany | Class | No. of Ques. | Marks | % Weightage |
|--|-------|--------------|-------|-------------|
| Application Biology | 11th | 1 | 4 | 2% |
| Biological classification | 11th | 6 | 24 | 13% |
| Ecology | 12th | 12 | 48 | 25% |
| Genetics | 12th | 11 | 44 | 23% |
| Living World | 11th | 1 | 4 | 2% |
| Plant Physiology | 11th | 8 | 32 | 17% |
| Reproduction in Plants | 12th | 4 | 16 | 8% |
| Structural Organisation of Plant and Animals | 11th | 5 | 20 | 10% |



C – Biology (Zoology)

Topic wise allocation of Questions & Marks

| Zoology | Class | No. of Ques | Marks | % Weightage |
|--|-------|-------------|-------|-------------|
| Cell Biology | 11th | 5 | 20 | 12% |
| Reproduction in Organism | 12th | 1 | 4 | 2% |
| Animal Classification | 11th | 4 | 16 | 10% |
| Application Biology | 11th | 3 | 12 | 7% |
| Biology in Human welfare | 12th | 4 | 16 | 10% |
| Biomolecules | 11th | 1 | 4 | 2% |
| Evolution | 12th | 3 | 12 | 7% |
| Human Physiology | 11th | 15 | 60 | 36% |
| Human Reproduction | 12th | 5 | 20 | 12% |
| Structural Organisation of Plant and Animals | 11th | 1 | 4 | 2% |



Expected Cutoff

| Category of candidates | Marks |
|------------------------|---------|
| UR | 691-098 |
| ST | 586-081 |
| Ur& PIL | 589-089 |
| OBC & PH | 491-081 |
| SC & PH | 303-081 |
| ST & PH | 297-081 |
| SC | 610-081 |
| OBC | 629-698 |

The Cut-off of NEET - 2018 is estimated based on previous year data & paper analysis of this year. This is not an official data released by concerned authorities and just an estimation.