

Paper Analysis - NEET (AIPMT) - 2019

askITians: This year as many 15.19 lakh students had enrolled themselves for the NEET Exam. Also 14.4% more students enrolled for the paper this time as compare to last year. And let me tell you, it was a record breaking count.

After remaining highlighted in the news for quite a while, NEET 2019 was conducted successfully on May 5 with an overall difficulty level of Moderate. About 42000 students gave NEET exam in Odisha on 20 May. It was postponed because of cyclone Phani.

This exam was conducted for getting entrance into State and National level medical colleges for courses in MBBS, BDS, BAMS & BHMS. From this year, this paper will be conducted by NTA (National testing agency). Physics was the difficult section of the paper, compared to Biology and Chemistry. Biology was the easiest among all.

Details of NEET – 2019

Paper of NEET 2019 consisted of 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 5th May from 2:00 pm to 05:00 pm.

Below; you can see the subject wise detailed analysis of NEET-2019 question paper.

Overall Marks Distribution

The paper pattern of NEET 2019 was same as that of NEET 2018 last year. It was a relaxation for students who were scared since NTA (National testing agency) was making paper for the first time. The paper had 180 questions each carried 4 marks each. All questions were of objective type with single correct option. Now let's get into the paper and analyze it.

Subject wise questions in NEET 2019

Subject	Class 11		Class 12		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Physics	22	88	23	92	45	180
Chemistry	23	92	22	88	45	180
Biology	46	184	44	176	90	360
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

	2019	2018	2017
Biology	1.36	1.6	2.16
Chemistry	1.4	1.85	1.36
Physics	1.76	2.31	1.93
Overall	1.47	1.87	1.91

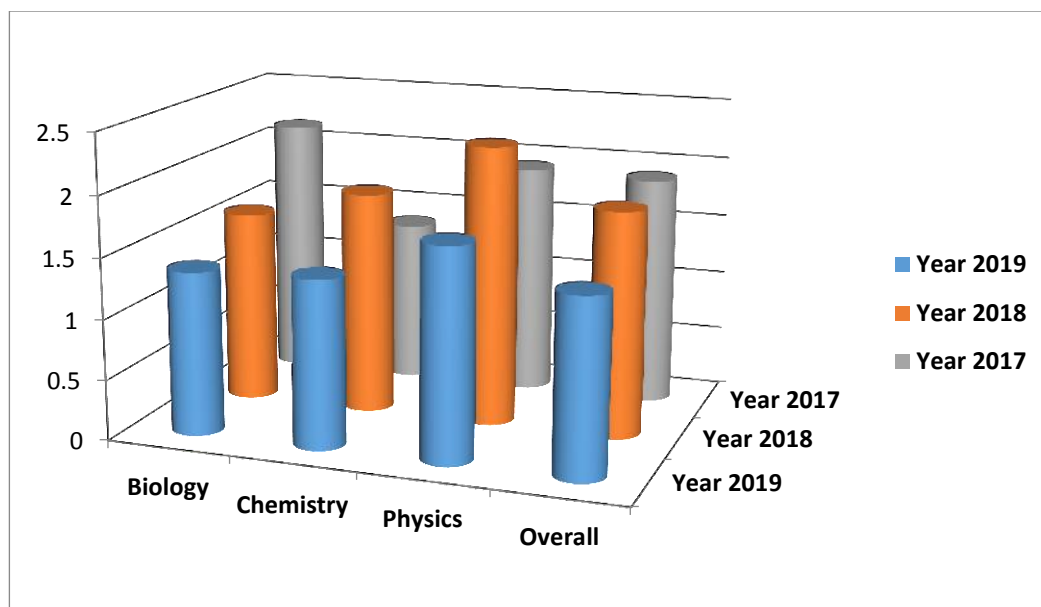


Fig: Comparative graphical review of the Difficulty level in last years.

Difficulty Level Analysis: No of Questions

	Easy Level		Medium Level		Difficult Level	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Physics	20	80	16	64	9	36
Chemistry	28	112	16	64	1	4
Biology	65	260	18	72	7	28
Grand Total	113	452	50	200	17	68

As per **askITians** experts, Difficulty level of Chemistry and biology was almost same as compare to Physics which was comparatively difficult. Overall paper had easy questions worth marks 452, medium 200 and difficult with 68 marks.

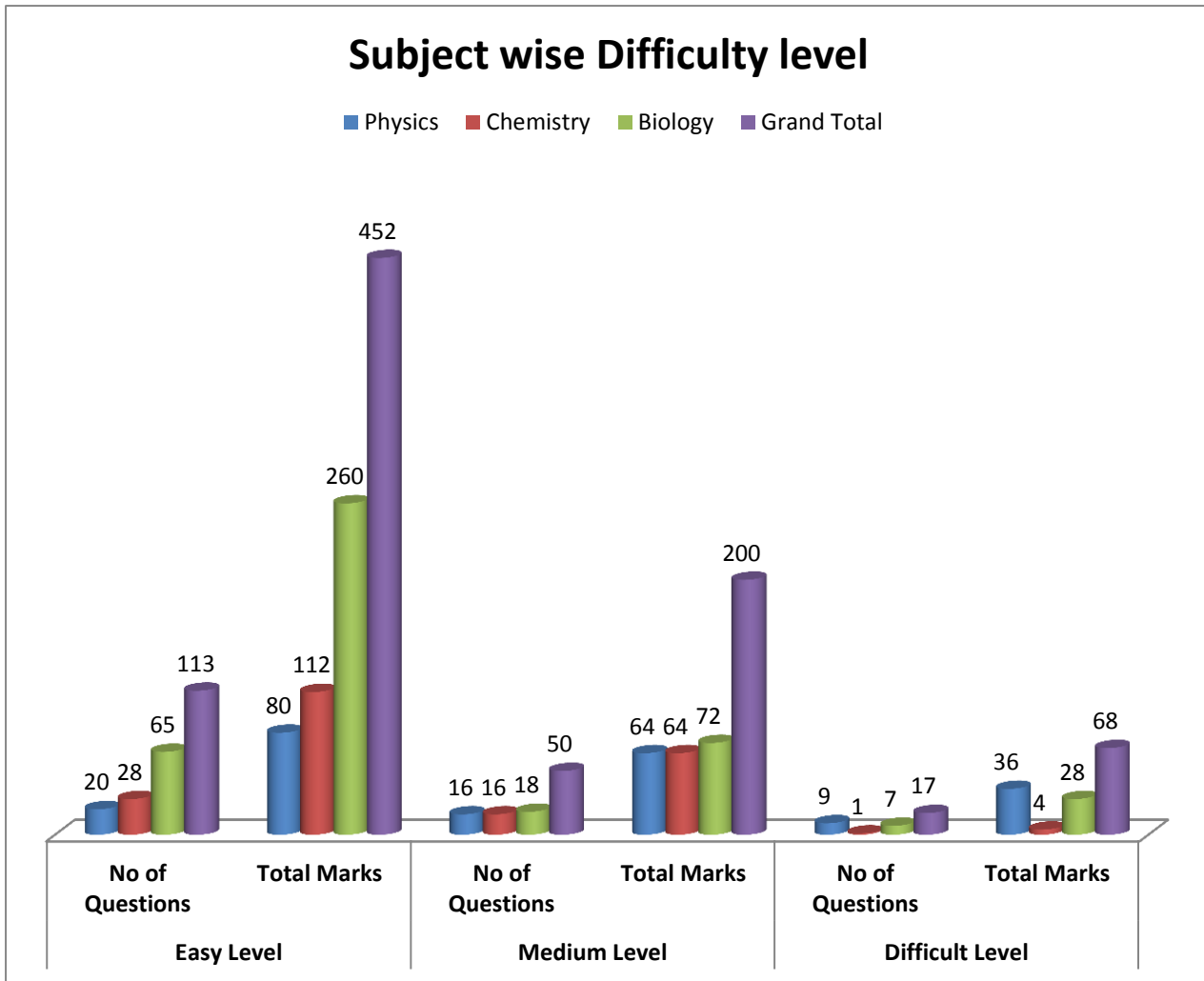


Fig: Graphical review of difficulty level with both the aspects. (Number of questions and total marks)

Subject Wise Analysis

Topic wise allocation of Questions & Marks is given in the table.

Physics Analysis

Physics	Number of Questions	Weightage (In percentage)
Capacitance	1	2.22%
Centre of Mass	1	2.22%
Circular Motion	4	8.89%
Current electricity	3	6.67%
Electro Magnetic Induction	2	4.44%
Electrostatics	3	6.67%
Error and Analysis	1	2.22%
Fluid Mechanics	1	2.22%
Geometrical Optics	4	8.89%
Gravitation	2	4.44%
KTG & Thermodynamics	2	4.44%
Magnetism	3	6.67%
Modern Physics	3	6.67%
Newton's Laws of Motion	1	2.22%
Properties of Matter	1	2.22%
Rectilinear Motion	1	2.22%
Relative Motion	1	2.22%
Rigid Body Dynamics	2	4.44%
Semiconductor Devices	2	4.44%
Simple Harmonic Motion	2	4.44%
Surface Tension	1	2.22%
Thermal Expansion	1	2.22%
Unit & Dimension	1	2.22%
Wave Optics	1	2.22%
Work Energy & Power	1	2.22%
Grand Total	45	100%

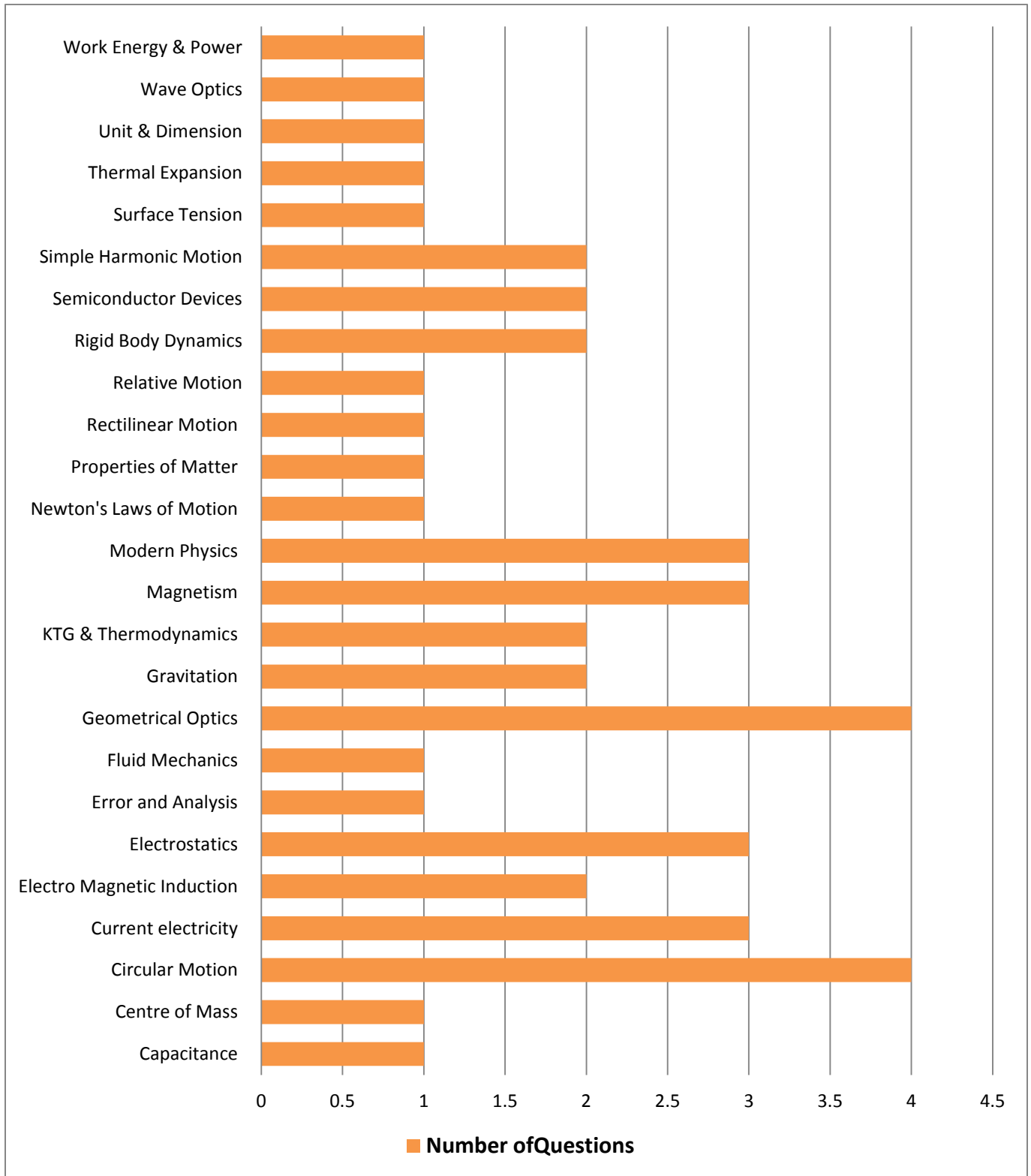


Fig: Graphical Review of question count with respect to the particular topic.

CHEMISTRY ANALYSIS

Chemistry	Number of Questions	Weightage (In percentage)
Aromatic Compounds	2	4.44%
Atomic structure	2	4.44%
Biomolecules	1	2.22%
Carboxylic Acid Derivative	1	2.22%
Chemical Bonding	3	6.67%
Chemical Kinetics	2	4.44%
Chemistry in everyday life	1	2.22%
Coordination Compounds	1	2.22%
D Block	1	2.22%
Electrochemistry	2	4.44%
Environmental Chemistry	1	2.22%
equivalent Concept	1	2.22%
Gaseous State	1	2.22%
GOC	2	4.44%
Hydrocarbons	2	4.44%
Hydrogen	1	2.22%
Ionic Equilibrium	3	6.67%
IUPAC	1	2.22%
Metallurgy	1	2.22%
Mole Concept	1	2.22%
P Block	4	8.89%
periodic table	1	2.22%
Polymer	1	2.22%
Redox Reactions	1	2.22%
S Block	2	4.44%
Solid State	1	2.22%
Solution and Colligative Properties	2	4.44%
Surface Chemistry	1	2.22%
Thermodynamics	2	4.44%
Grand Total	45	100%

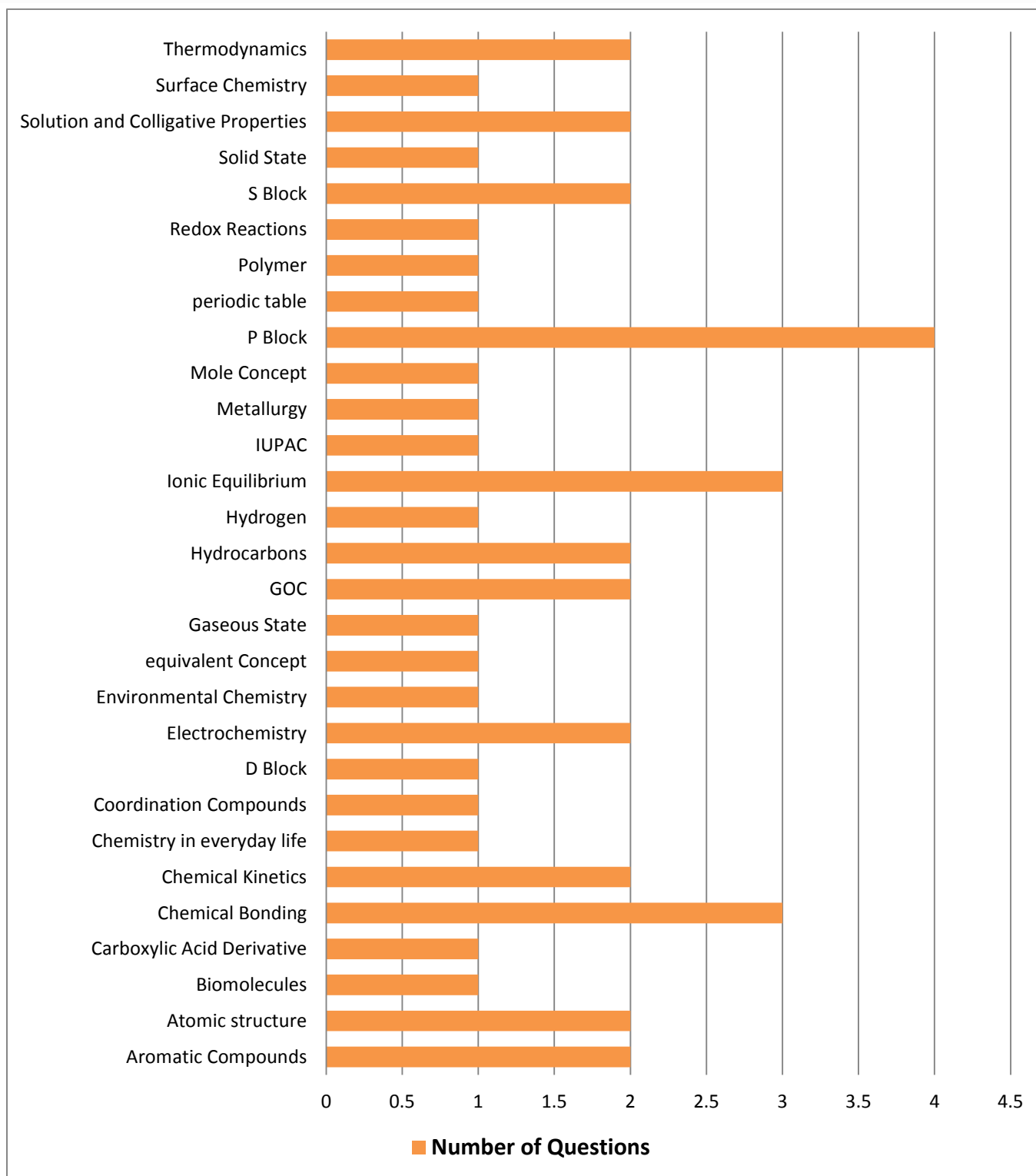


Fig: Graphical Review of question count with respect to the particular topic.

BIOLOGY ANALYSIS

BOTANY:

Botany	Number of Questions	Weightage (In Percentage)
Anatomy Of Flowering Plant	3	3.33%
Biodiversity and Conservation	3	3.33%
Biological classification	2	2.22%
Cell Cycle and Division	2	2.22%
Cell: The unit of life	5	5.56%
Ecosystem	1	1.11%
Environmental Issues	4	4.44%
Genetics – I Principle of Inheritance and variation	7	7.78%
Genetics – II Molecular basis of inheritance	3	3.33%
Living World	1	1.11%
Microbes in Human Welfare	1	1.11%
Mineral Nutrition	1	1.11%
Morphology in flowering plants	1	1.11%
Organisms and Population	1	1.11%
Plant Growth and Development	2	2.22%
Plant Kingdom	1	1.11%
Respiration in Plants	2	2.22%
Sexual Reproduction in flowering Plants	4	4.44%
Transport in Plants	3	3.33%
Grand Total	47	52.22%



Fig: Graphical Review of question count with respect to the particular topic.

ZOOLOGY:

Zoology	Number of Questions	Weightage (In Percentage)
Animal Kingdom	2	2.22%
Biomolecules	4	4.44%
Biotechnology and its application	2	2.22%
Biotechnology and its Processes and principle	3	3.33%
Body Fluids and Circulation	2	2.22%
Breathing and exchange of gases	1	1.11%
Chemical Coordination	2	2.22%
Digestion and Absorption	2	2.22%
Evolution	3	3.33%
Excretory products and their	2	2.22%
Human Health and Disease	4	4.44%
Human Reproduction	3	3.33%
Locomotion and Movement	2	2.22%
Microbes in Human Welfare	3	3.33%
Nervous System	2	2.22%
Reproductive Health	3	3.33%
Strategies for Enhancement in Food Production	1	1.11%
Structural Organization in Animal	2	2.22%
Grand Total	43	47.78%

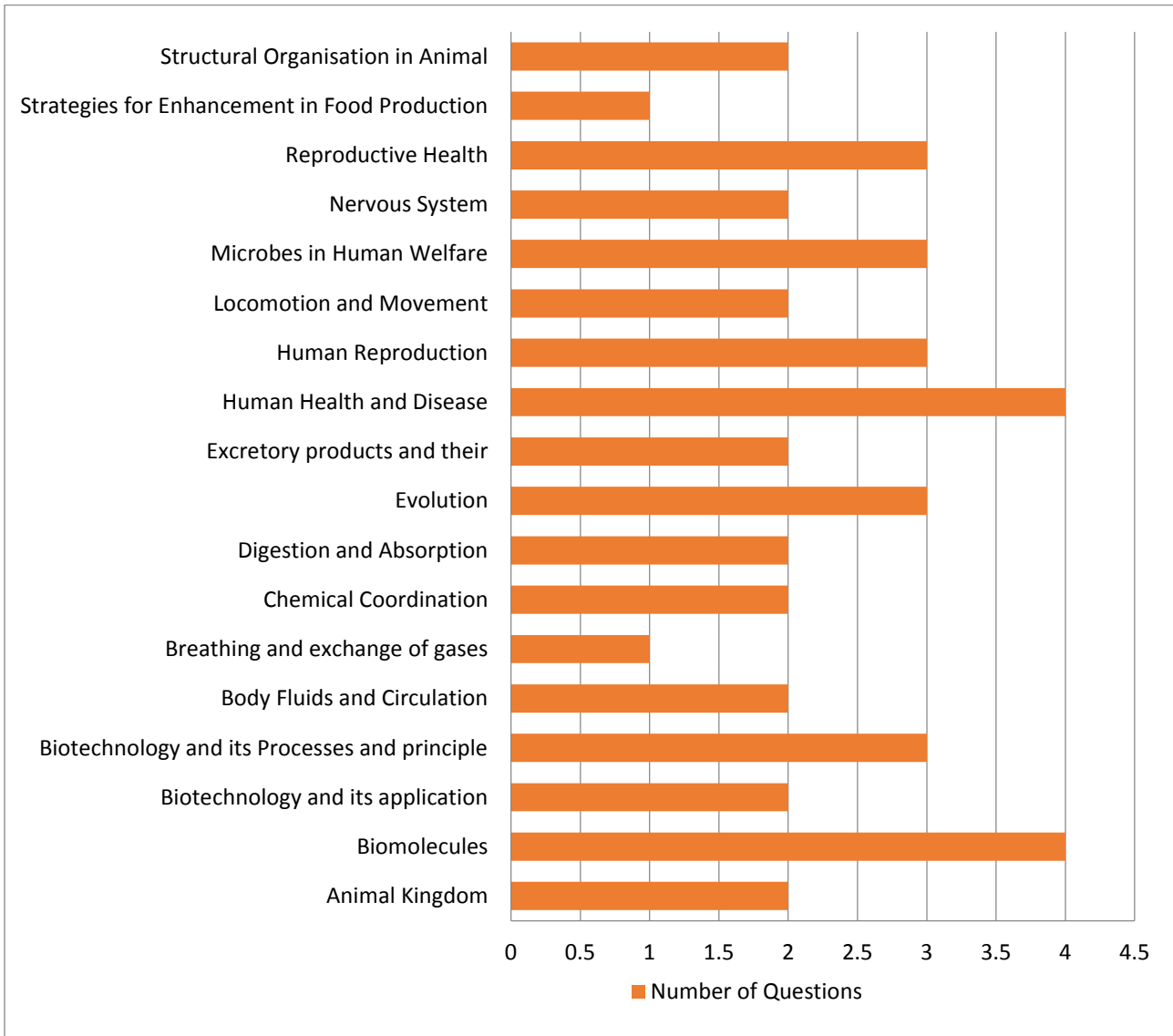


Fig: Graphical Review of question count with respect to the particular topic.

NEET Odisha

NEET in Odisha happened 15 days later on 20th of May due to Cyclone Phani. It was scheduled from 10: 00 AM – 1: 00 PM. Physics were a little bit difficult as compare to paper that was held on 5 May. Biology and Chemistry were almost same. This exam is not going to make a big change on cut off values.

Expected Cutoff - 2019

The cutoff is defined as the minimum marks required qualifying for the NEET exam. The official cut off will be updated after it is released by the official authority.

Category	Minimum Qualifying Percentile	Expected Cut-off Marks
Unreserved (UR)	50th Percentile	689-117
Unreserved PH (UR-PH)	45th Percentile	116-105
Scheduled Caste (SC)	40th Percentile	115-94
Scheduled Tribe (ST)	40th Percentile	115-94
Other Backward Classes (OBC)	40th Percentile	115-94
SC-PH	40th Percentile	104-94
ST-PH	40th Percentile	104-94
OBC-PH	40th Percentile	104-94

The Cut-off of NEET - 2019 is estimated based on previous year data & paper analysis of this year. This is not an official data released by concerned authorities and just estimation.