

Overall Marks Distribution of NSEJS (IJSO Stage-I), 2012-13

Subjects	No. of Questions	Marks allocation	Time
Physics	20	60	2 Hour
Chemistry	19	57	
Biology	21	63	
Mathematics	20	60	
Total	80	240	

Overall Difficulty Level Analysis

In this analysis we have rated every question on a scale of 1 to 5. The ratings are done by expert faculty of Resonance.

1. Very Easy 2. Easy 3. Moderate 4. Difficult 5. Very Difficult

Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics		10	9	1		20
Chemistry	2	7	5	4	1	19
Biology	3	5	10	2	1	21
Mathematics	2	4	4	5	5	20
Total	7	26	28	12	7	80

Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Projectile Motion	1	3	5.0
Force and Newton's laws of motion	2	6	10.0
Motion, Relative Motion & SHM	2	6	10.0
Gravitation	1	3	5.0
Sound	2	6	10.0
Light	2	6	10.0
Heat	1	3	5.0
Fluid & Pressure	1	3	5.0
Magnetic Effect of Current and EMI	3	9	15.0
Work Energy and Power	1	3	5.0
Source of Energy	1	3	5.0
Electricity	3	9	15.0
Grand Total	20	60	100

Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Acids and bases	1	3	5.3
Gaseous State	1	3	5.3
Metals & Non Metals	1	3	5.3
Chemical Equilibrium	3	9	15.8
Chemical Bonding	1	3	5.3
Mole Concept	5	15	26.3
Structure of Atom	1	3	5.3
Nuclear Chemistry	1	3	5.3
Thermodynamics	1	3	5.3
Matter	1	3	5.3
Chemical Reaction and Equation	2	6	10.5
Miscellaneous	1	3	5.3
Grand Total	19	57	100.0

Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Environment	6	18	28.6
Human diseases	1	3	4.8
Evolution	1	3	4.8
Cell Division	4	12	19.0
Nutrition	1	3	4.8
Protoplasm	1	3	4.8
Transportation	1	3	4.8
Control & Coordination	1	3	4.8
Reproduction	2	6	9.5
Food resources	1	3	4.8
Heredity & Evolution	2	6	9.5
GRAND TOTAL	21	63	100

Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Number System	2	6	10.0
Polynomials	2	6	10.0
Linear Equation	1	3	5.0
Quadratic Equation	1	3	5.0
Progression	2	6	10.0
Trigonometry	2	6	10.0
Triangles & Quadrilaterals	4	12	20.0
Circles	1	3	5.0
Direct & Indirect variation	1	3	5.0
Average	1	3	5.0
Calander	1	3	5.0
Logarithm theory	1	3	5.0
Straight Line	1	3	5.0
Grand Total	20	60	100