



# Rao IIT Academy

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# NSEJS 2017

## QUESTION PAPER ANALYSIS



**Rao Intelligence Search Examination (RISE) – 2017**

**3rd Dec 2017**

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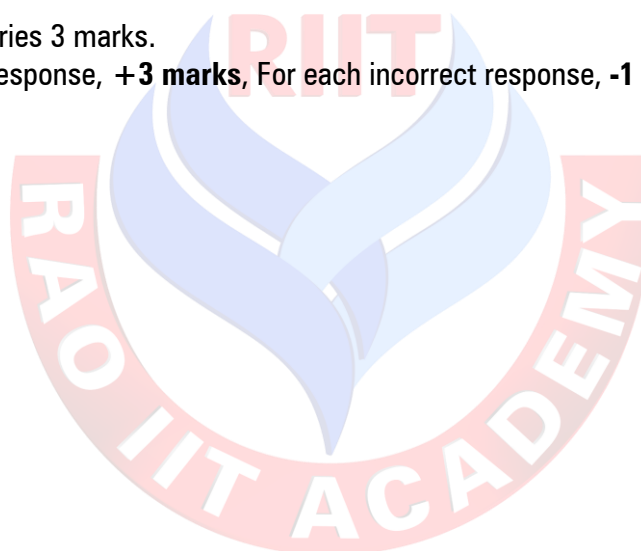
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# GENERAL OVERVIEW

- ❖ **NSEJS 2017 Exam Date:** 19<sup>th</sup> November 2017
- ❖ **Subject:** Physics, Chemistry, Mathematics & Biology
- ❖ **Paper Duration:** 2 hours
- ❖ **Total No. of Question:** 80 (Physics – 20, Chemistry – 20, Mathematics – 20, Biology – 20)
- ❖ **Question Type:** Only Single Correct Answer Type Question
- ❖ **Total Marks:** 240
  - Each Question carries 3 marks.
  - For each correct response, **+3 marks**, For each incorrect response, **-1 marks** and No attempt – **zero marks**



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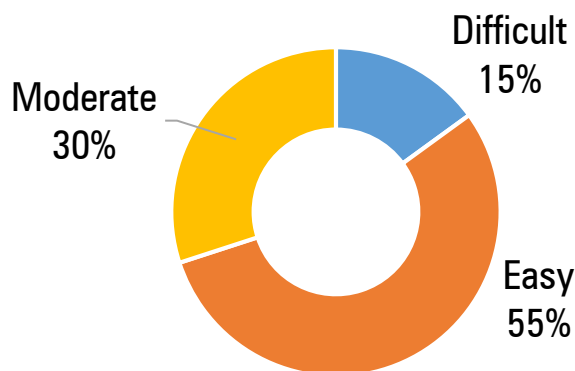
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## Paper Code: JS532

Q. No.	Mathematics Topics	Difficulty Level (Easy/Moderate /Difficult)
1	Sequence & Series	Moderate
2	Sequence & Series	Easy
3	Speed & Distance	Easy
4	Geometry (Quadrilateral)	Easy
5	Algebraic Identities	Easy
6	Number System	Difficult
7	Algebraic Identities	Moderate
8	Calendar & Clock	Moderate
9	Statistics	Easy
10	Algebraic Identities	Moderate
11	Number System	Easy
12	Sequence & Series	Moderate
13	Geometry (Triangle)	Difficult
14	Algebra	Easy
15	Number System	Difficult
16	Geometry (Quadrilateral)	Moderate
17	Geometry (Triangle)	Easy
18	Algebra	Easy
19	Quadratic Equation	Easy
20	Number System	Easy

### Difficulty Level Wise Distribution of Marks



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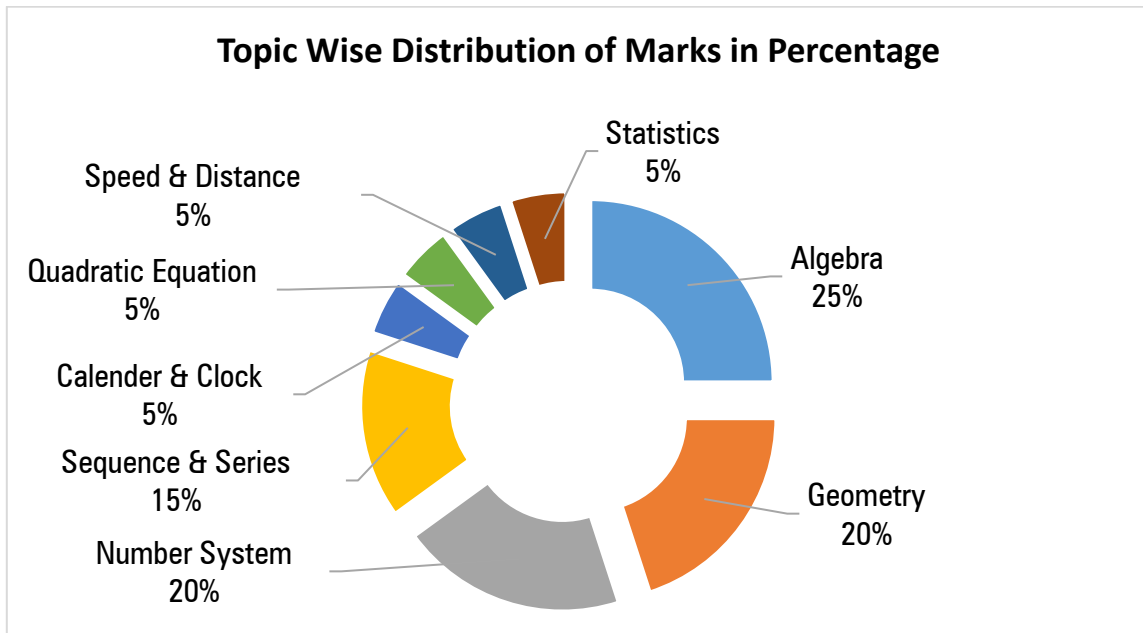
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# MATHEMATICS ANALYSIS



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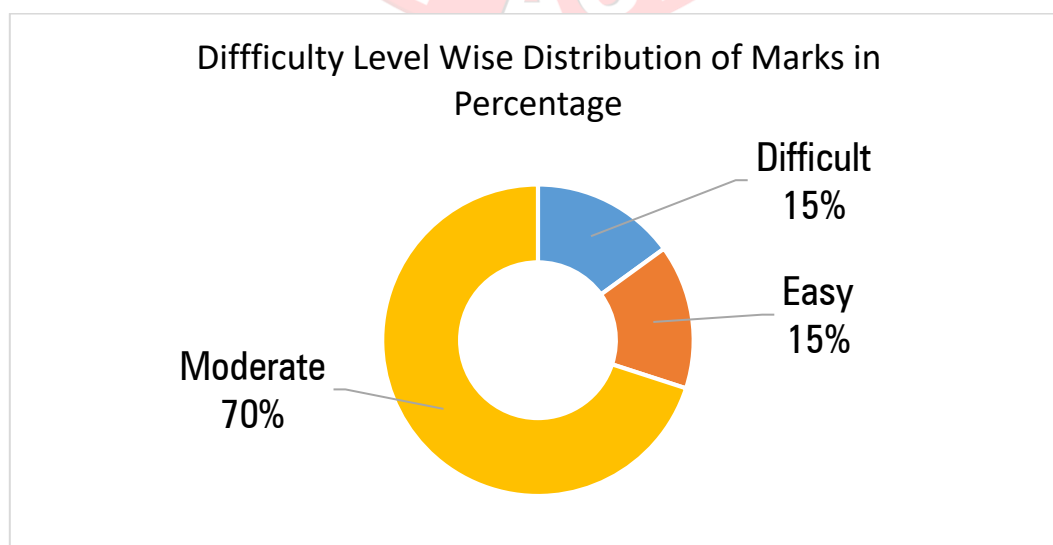
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# CHEMISTRY ANALYSIS

Paper Code: JS532			
Sr. No.	Chemistry Topics	Difficulty Level (Easy/Moderate/Difficult)	Organic /Inorganic /Physical
21	Mole Concept	Moderate	Physical
22	Mole Concept	Easy	Physical
23	General Organic Chemistry	Moderate	Organic
24	Ionic Equilibrium	Easy	Physical
25	Solution	Moderate	Physical
26	Gaseous State	Moderate	Physical
27	P-block	Moderate	Inorganic
28	Mole Concept	Difficult	Physical
29	Mole Concept	Difficult	Physical
30	Mole Concept	Moderate	Physical
31	Mole Concept	Moderate	Physical
32	P-block	Easy	Inorganic
33	General Organic Chemistry	Moderate	Organic
34	Metallurgy	Moderate	Inorganic
35	Electrochemistry	Moderate	Physical
36	Electrochemistry	Moderate	Physical
37	Solution	Moderate	Physical
38	S-block	Difficult	Inorganic
39	Mole Concept	Moderate	Physical
40	P-block	Moderate	Inorganic



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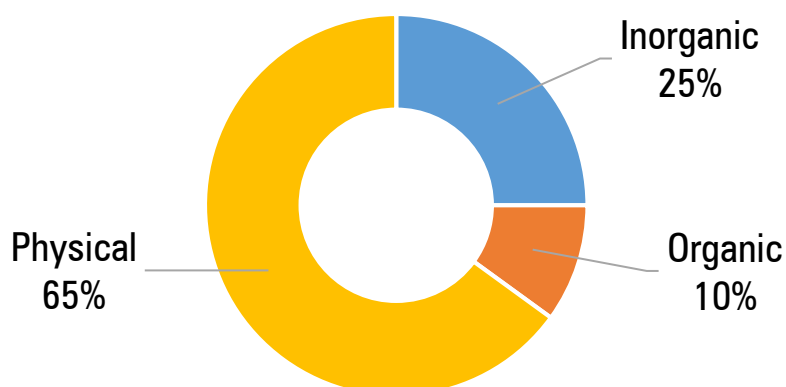
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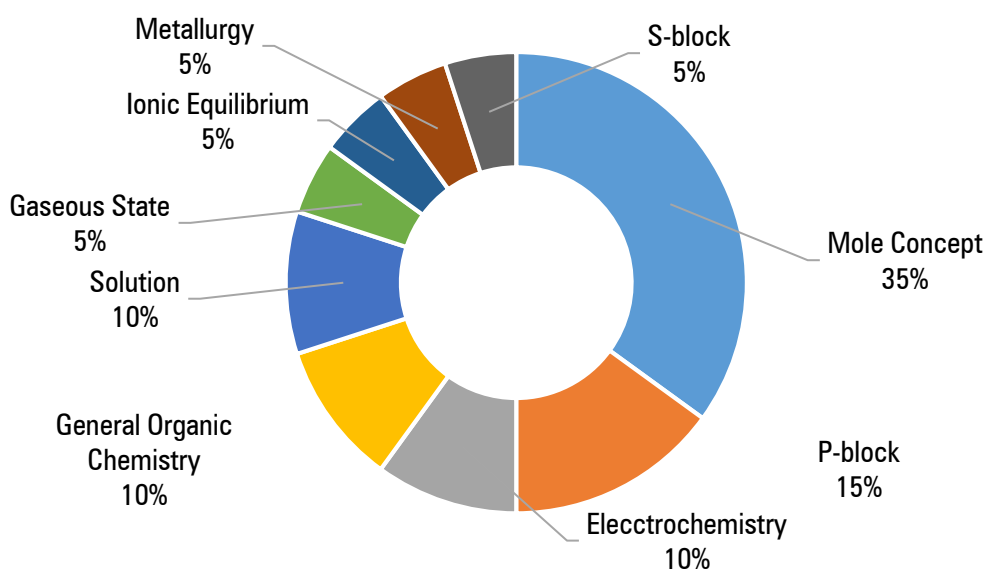
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# CHEMISTRY ANALYSIS

Distribution of Marks in Percentage



Topic wise Distribution of Marks in Percentage



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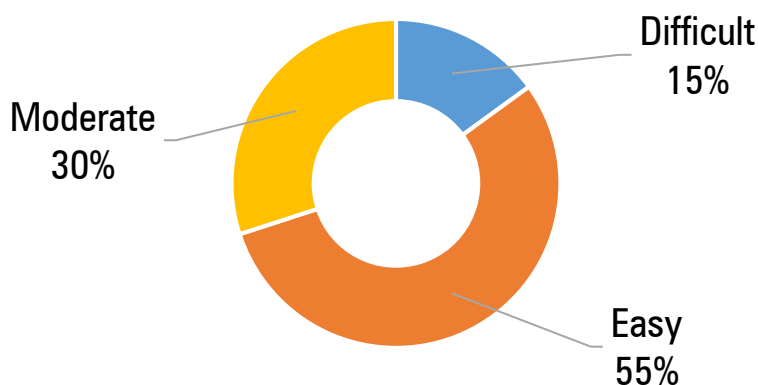
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# PHYSICS ANALYSIS

**Paper Code: JS532**

Sr. NO.	Physics Topics	Difficulty Level (Easy, Difficult / Moderate)
41	Kinematics	Easy
42	current Electricity	Easy
43	Kinematics	Easy
44	Optical Instruments	Easy
45	EMI	Moderate
46	System of particles	Easy
47	Ray Optics(Reflection)	Moderate
48	Ray Optics(Reflection)	Moderate
49	Ray Optics(Mirror)	Difficult
50	Magnetism	Moderate
51	Heat	Easy
52	Kinematics	Easy
53	Force	Easy
54	Electrostatics	Easy
55	Force	Easy
56	Fluid Mechanics	Difficult
57	Fluid Mechanics	Easy
58	Heat	Moderate
59	Current Electricity	Difficult
60	Wave	Moderate

Difficulty Level wise Distribution of Marks



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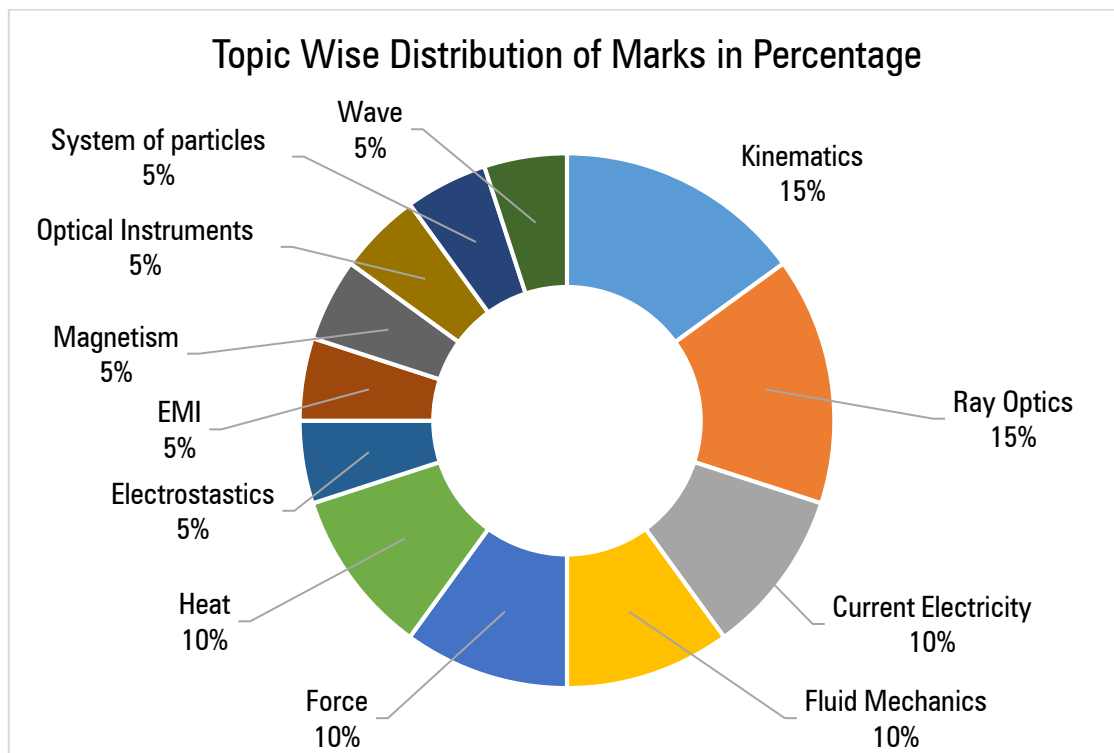
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# PHYSICS ANALYSIS



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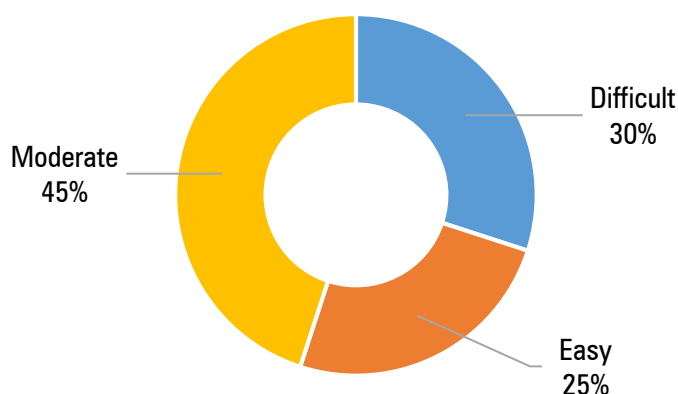


# **BIOLOGY ANALYSIS**

**Paper Code: JS532**

Sr. No.	Biology Topics	Difficulty Level (Easy, Difficult / Moderate)	Botany /Zoology
61	Biodiversity	Easy	Botany
62	Reproduction	Moderate	Botany
63	Heredity & Evolution	Difficult	Botany
64	Biodiversity	Easy	Botany
65	Nutrition in Plants (Photosynthesis)	Moderate	Botany
66	Heredity & Evolution	Difficult	Botany
67	Reproduction	Easy	Botany
68	Weather, Climate & Adaption	Moderate	Zoology
69	Heredity & Evolution	Difficult	Botany
70	Weather, Climate & Adaption	Moderate	Zoology
71	Respiration	Moderate	Botany
72	Cell	Easy	Botany
73	Control & Coordination	Moderate	Botany
74	Health & Diseases	Moderate	Zoology
75	Cell	Easy	Botany
76	Nutrition in Animals	Difficult	Zoology
77	Reproduction	Difficult	Botany
78	Pollution of AIR & Water	Difficult	Botany
79	Nutrition in Animals	Moderate	Zoology
80	Respiration	Moderate	Botany

**Difficulty Level wise distribution of marks**



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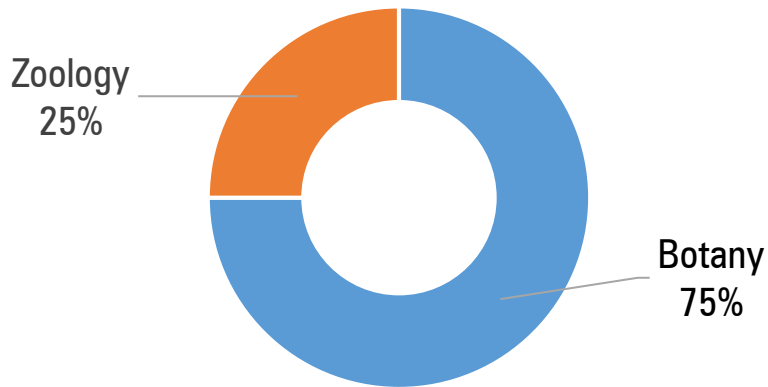
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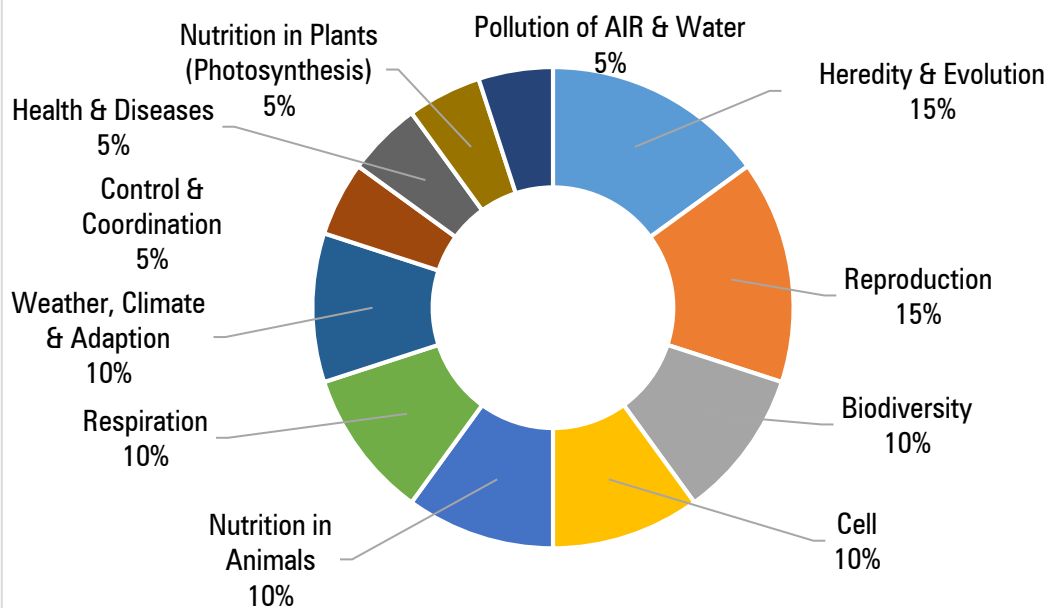
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# **BIOLOGY ANALYSIS**

**Distribution of Marks in Percentage**



**Topic wise distribution of marks in percentage**



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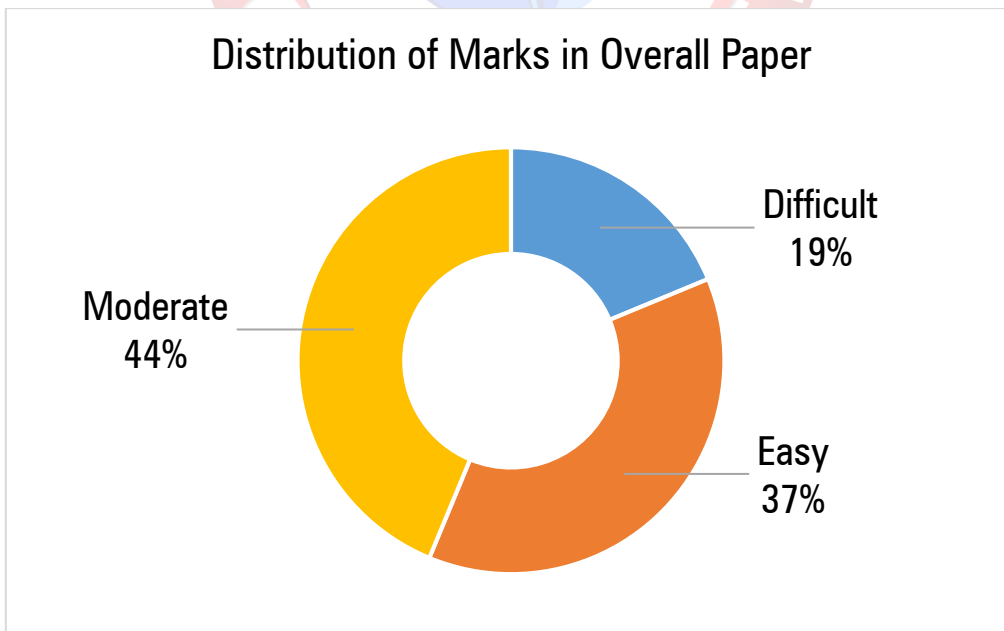
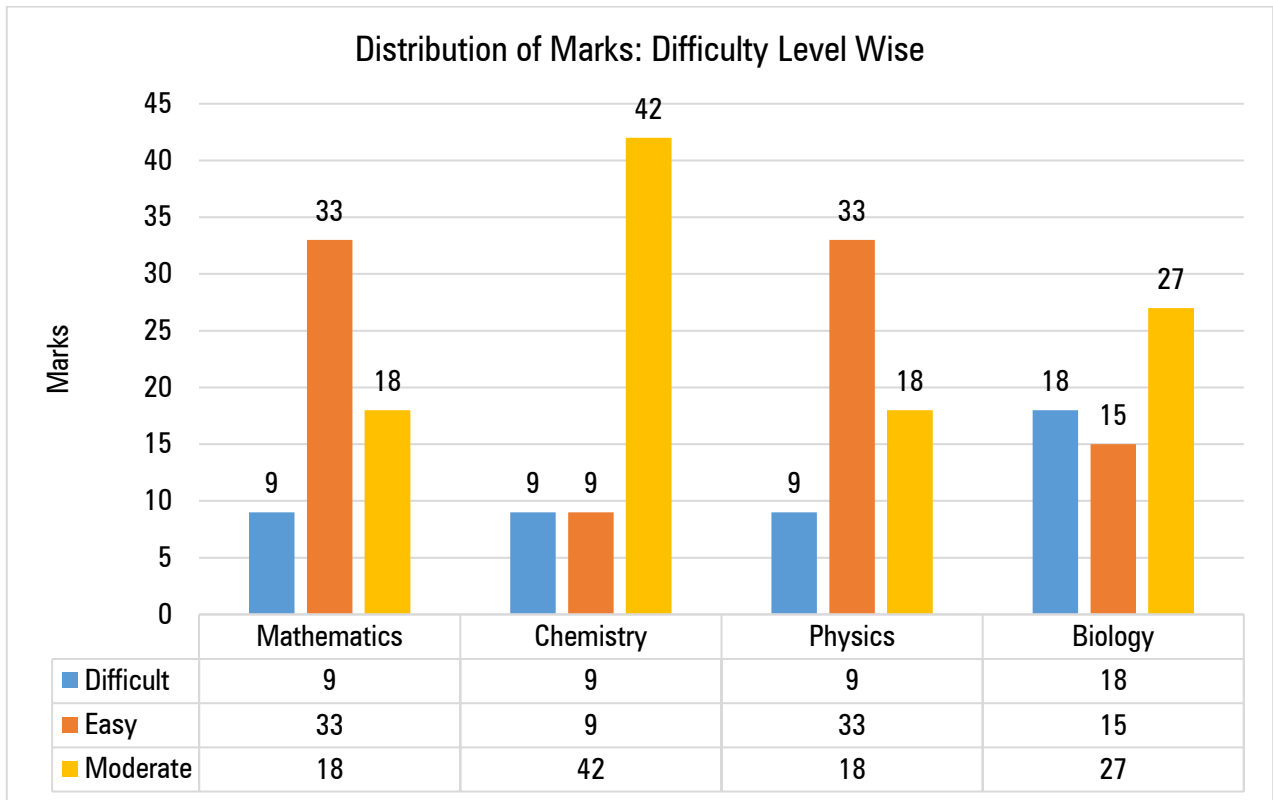
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