

Previous Year Paper Analysis

Tata Institute of Fundamental Research (TIFR) -Physics

Topics	2020		
	Section-A (Common)	Section-B (For Int. Ph.D.)	Section-B (For Ph.D. only)
Mathematics relevant to Physics	3	1	2
Classical Mechanics & Mechanics	4	2	2
Electricity and Magnetism	4	3	2
Quantum Mechanics	3	2	1
Thermodynamics and Statistical Physics	4	1	1
Electronics and Experimental Physics	3	1	2
Waves and Oscillations	1	0	1
Optics	0	2	0
Modern Physics	2	2	1
Nuclear Physics	0	1	3
General Physics	1	0	0
Total	25	15	15

Previous Year Paper Analysis

Tata Institute of Fundamental Research (TIFR) -Physics

Topics	2019		
	Section-A (Common)	Section-B (For Int. Ph.D.)	Section-B (For Ph.D. only)
Mathematics relevant to Physics	5	2	2
Classical Mechanics & Mechanics	4	2	2
Electricity and Magnetism	4	2	1
Quantum Mechanics	3	2	3
Thermodynamics and Statistical Physics	4	2	2
Electronics and Experimental Physics	3	1	1
Waves and Oscillations	0	0	0
Optics	0	2	0
Modern Physics	1	1	1
Nuclear Physics	1	0	2
General Physics	0	1	1
Total	25	15	15

Tata Institute of Fundamental Research (TIFR)

Ph.D. and Integrated Ph.D. Programme

EXAM SCHEME

TIME: 3 HOURS

MAXIMUM MARKS: 150

Mode of Exam: Online

There will be a total of 40 questions carrying 150 marks.

The entire paper is divided into two sections, A and B.

- **SECTION A comprises 25 questions, numbered Q1 - Q25**
These are questions on basic topics.
- **SECTION B comprises 15 questions, numbered Q1 - Q15**
These may require somewhat more thought/knowledge.
- ALL questions are Multiple-Choice Type. In each case, ONLY ONE option is correct.
Answer them by clicking the radio button next to the relevant option.
- The **grading scheme** will be as follows:
Section A : +3 marks if correct; –1 mark if incorrect; 0 marks if not attempted
Section B : +5 marks if correct; 0 marks if incorrect or not attempted,
i.e. NO negative marks.