

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

1.	Reference	Advt. No. IITR/Rect Cell/2023/1 dated 13-07-2023
2.	Name of Post	Assistant Safety Officer
3.	Mode of Recruitment	Direct Recruitment

Tier-I Examination (50 marks)

1. The 2 hours Optical Response Sheet (ORS) based examination will comprise of multiple-choice questions with one correct answer.
2. One (1) mark will be awarded for each correct answer and minus one by three $\left(-\frac{1}{3}\right)$ mark for each incorrect answer.
3. The unanswered questions will not attract negative marks.
4. Question paper will have two sections namely General Section and Post Related Section.

General Section (20 Marks)

- **English Language and Comprehension:** English Grammar, Sentence Correction and Completion, Paragraph Summary, Reading Comprehension & Inferences, Verbal Analogies & Critical Reasoning
- **Mathematics & Numerical Ability:** Arithmetic - upto 10th Standard
Numerical Computation, Numerical Reasoning, Data Reasoning and Data Interpretation
- **General Awareness and Current Affairs:** Government Schemes. Economics, Geography, Indian History, Indian Polity, Indian Constitution – upto 10th Standard
- **Logical Reasoning:** Number/Alphabet Series, Reasoning Analogies, Relations
- **Computer Proficiency:** Knowledge of MS Windows and MS Office, Internet, Email system

Post Related Section (30 Marks)

Physical and Chemical Health Hazards and their Prevention and Control, Psychological Hazards, Occupational Hazards, Accidents and Prevention, Hazard Identification, Prevention and Control Techniques for Identification of Hazards, Behaviour Based Safety, National Policy on Occupational Safety Health and Environment at Workplace, The Factories Act, 1948, Air (Prevention & Control of Pollution) Act, 1981 and Amended, 1986, Water (Prevention & Control of Pollution) Act, 1974 and Rules, Workmen's Compensation Acts. 1923, The Employee's State Insurance Act. 1948, Manufacture Storage and Import of Hazardous Chemical Rules, 1989, OHSAS 45001, Industrial Hygiene -TLV Place Monitoring Concept and Work, Industrial Ventilation, Personal Protective Equipment (PPEs), Training Techniques, Principles of Healthcare Management, Emergency Medical Responses, Medical Organization for Major Accident Hazard Control, Evaluations of Industrial Injuries, National Codes of fire safety, National building Code (NBC)- 2016, National fire protection Administration (NFPA) Codes, Incident investigation, Work at Height, Safety in Confined safety, Contractor Systems Management, Compressed Gas cylinder Safety, Fire Safety Management, Identification and prevention of Occupation Health Hazard, Road safety Management

Tier-II Examination (only for shortlisted candidates) (50 marks)

Section I : Computer Based Test (20 Marks ; Duration : 1 hour)

1. Computer related skill test : MS Word and MS Excel
2. Report writing on safety related scenarios

Section II : Field Tasks (30 marks)

1. Running : 1.6 kms in 6.5 minutes for Male and 800 meter in 04 minutes for Female
2. Wall Climbing related test
3. Handling of different fire-fighting equipment
4. Driving Light Motor Vehicle/Geared Motorcycle