

EXAMINATION REFERENCE SYLLABUS

FOR THE

CERTIFICATE OF QUALIFICATIONS

TOWER CRANE

OPERATORS

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GENERAL INFORMATION

Introduction:

This Syllabus is intended to assist candidates studying for the Tower Crane Operators Certificate Examination. The requirements to qualify are outlined in an Act Respecting Crane Operators and Power Engineers.

Suggested Study Material

Safety Code for Tower Cranes
CSA-Z248
Canadian Standards Association
178 Rexdale Boulevard
Rexdale, ON M9W 1R3

IPT's Crane and Rigging Handbook
Mobile-EOT-Tower Cranes
by Ronald G. Garby
IPT Publishing and Training Ltd.
P.O. Box 9590
Edmonton, AL T6E 5X2
(403) 962-4819

Crane Handbook
Construction Safety Association of
Ontario
21 Voyager Court South
South Etobicoke, ON M9W 5M7
1-800-781-2726

Rigging Manual
Construction Safety Association of Ontario
21 Voyager Court South
South Etobicoke, ON M9W 5M7
1-800-781-2726

Application to Undertake Examination:

A candidate must submit an application and the prescribed fee at least thirty (30) days before the date of examination as shown on the examination schedule.

Examination Instructions:

The examination consists of two papers, each of 3 hours duration.

The candidate is allowed to bring the following items into the examination room:

1. The jurisdictional Act and the applicable Regulations.
2. Non-programmable calculator and drawing instruments.

***The candidate must show picture I.D. at the examination.**

3 HOUR TIME LIMIT - PART "A"

MORNING PAPER

1. Terminology
2. Load Charts
3. Tower Configurations
4. Rigging
5. Mathematics

3 HOUR TIME LIMIT - PART "B"

AFTERNOON PAPER

1. Controls
2. Unattended Cranes
3. Operation of
 - Fail Safe Break
 - Limit Switches
4. Modification of equipment
5. Using load charts
6. Pre-operation inspections
7. Frequency of inspections
8. Testing
9. Maintenance
10. Repair
11. Erection and Dismantling