

EXAMINATION REFERENCE SYLLABUS

FOR THE

CERTIFICATE OF QUALIFICATIONS

OVERHEAD TRAVELLING

CRANE OPERATORS

**EXAMINATION REFERENCE SYLLABUS
FOR THE CERTIFICATE OF QUALIFICATION
OVERHEAD TRAVELLING CRANE**

GENERAL INFORMATION

Introduction:

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

Suggested Study Material

General Purpose Electric
Overhead Travelling Cranes
Canadian Standards Association
178 Rexdale Boulevard
Rexdale, ON M9W 1R3
Phone: (800) 463-6727
Fax: (416) 747-4149

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
Phone: (888) 808-6763 or (403)962-4819

Hoisting and Rigging Safety Manuel
Construction Safety Association of Ontario
21 Voyager Court South
South Etobicoke, ON M9W 5M7
Phone: (800)781-2726

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

The American Society of Mechanical
Engineers (ASME)
ASME B30.16 Overhead Hoists (Under Hung)
Three Park Avenue
New York, NY 10016-5990
Phone: (800)843-2763

The American Rigging & Lifting Handbook
By North Sea Lifting Ltd.
Training & Inspection Resource Center
9428 Old Pacific Highway
Woodland, WA 98674
Phone: (360)225-5858 or (888)567-8472

The American Society of Mechanical
Engineers (ASME)
ASME B30.17 Overhead and Gantry Cranes
(Top Running Bridge, Single Gantry, Underhung Hoists)
Three Park Avenue
New York, NY 10016-5990
Phone: (800)843-2763

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. Estimation and calculations of load weights.
3. Basic Rigging
4. Recognition of faulty rope and fittings.
5. Proper attachment of
 - clamps
 - clips
 - clevises
 - equalizer bars.
6. Care and storage of wire rope.
7. Types of Overhead Travelling Cranes

3 HOUR TIME LIMIT - PART "B"
AFTERNOON PAPER

1. Inspection procedures
2. Lubrication requirements
3. Preventative maintenance
4. Operational procedures
5. Awareness of Industry's rules and regulations
6. Hand signals and signal systems
7. Safety / Legislation / Codes and Standards