

REFERENCE MATERIAL FOR TECHNICAL EXAMINATIONS

Technical examinations for:

- 04-BS-7 – Mechanics of Fluids
- 16-Mec-B2 – Environmental Control of Buildings, and
- 16-Mec-B3 – Energy Conversion and Power Generation

require certain questions to be answered by plotting on specified charts. These charts, as listed below, must be printed onto paper copies in advance of the examination. All those for any subject must be printed even though not all may be required for a particular examination. Extra copies beyond the minimum number indicated should be printed to allow for corrections or redoing of the answers. On completion all copies must be scanned and submitted electronically with the written answers. Only the charts as printed off the official website will be acceptable. No other information, charts or data will be permitted during the examination which is a closed book examination.

Technical Examination 04-BS-7 Mechanics of Fluids

At least two prints of the Moody Diagram are required:

Moody Diagram
(at least two prints required)

<https://www.egbc.ca/getmedia/fe71bb6f-001b-45d3-806a-5bc2e870e4df/PEO-Fluids-04-BS-7-Moody-Diagram.pdf.aspx>

Drag Diagram for Solid Bodies

<https://www.egbc.ca/getmedia/46688b09-fa63-44b1-a02e-c182cd6eb3aa/PEO-Fluids-04-BS-7-Drag-Diagram-Solid-Bodies.pdf.aspx>

Drag Diagram for Linear Bodies

<https://www.egbc.ca/getmedia/1e1a2ec4-44b1-4a82-a336-8786ae1de314/PEO-Fluids-07-BS-7-Drag-Diagram-Linear-Bodies.pdf.aspx>

Updated February 3, 2023

Technical Examination 16-Mec-B2 Environmental Control of Buildings

At least three prints of the Psychrometric Chart are required.

Psychrometric Chart <i>(at least three prints required)</i>	https://www.egbc.ca/getmedia/3c8fd9c2-282d-4b70-af4c-5dad9f8f3bff/PEO-HVAC-16-Mec-B2-Psychrometric-Chart.pdf.aspx
Pressure-Enthalpy Diagram	https://www.egbc.ca/getmedia/2213ed30-2d70-4e7c-9737-2b2f3bbf5739/PEO-HVAC-16-Mec-B2-Pressure-Enthalpy-Diagram.pdf.aspx
Moody Diagram	https://www.egbc.ca/getmedia/783ab0c2-866c-4187-b00c-03d1ab9de08d/PEO-HVAC-16-Mec-B2-Moody-Diagram.pdf.aspx
Pressure Loss Diagram	https://www.egbc.ca/getmedia/3625017c-efef-42fa-9671-caa7296208e5/PEO-HVAC-16-Mec-B2-Pressure-Loss-Diagram.pdf.aspx

Technical Examination 16-Mec-B3 Energy Conversion and Power Generation

Mollier Chart	https://www.egbc.ca/getmedia/a1a9e239-654e-4c9c-86f3-3df85f49684d/PEO-Energy-16-Mec-B3-Mollier-Chart.pdf.aspx
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