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# PROFESSIONAL COMPETENCY EXAMINATION 2023

## INFORMATION FOR APPLICANTS

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## 1. INTRODUCTION

In line with the Registration of Engineers Act 1967 (Revised 2015), only registered Professional Engineers with a Practising Certificate can submit engineering plans to Local Authorities. In order to apply for a Practising Certificate, Professional Engineers must sit and pass the Professional Competency Examination (PCE) in their relevant branch of practice.

Presently, the PCE for the following branches of practice are in place:

- Civil engineering
- Mechanical engineering
- Electrical engineering
- Chemical engineering
- Environmental engineering
- Mining engineering
- Geotechnical engineering
- Structural engineering
- Transportation engineering

**Candidates who want to sit for other branches of practice need to write to the Board of Engineers Malaysia (BEM) to prepare PCE for these other branches of practice.**

This document is issued by the Board of Engineers Malaysia as information for Professional Engineers to prepare for the Professional Competency Examination.

## 2. AIMS OF THE PROFESSIONAL COMPETENCY EXAMINATION

The Professional Competency Examination will test the candidates within the limits of “professional engineering services” as defined in the Registration of Engineers Act 1967.

The examination will also test the candidate’s knowledge, experience and application of:

- (a) Regulations and rules of engineering practice by BEM
- (b) Statutory laws, codes, regulations
- (c) Standards of professionalism and ethical behaviour imposed by BEM

### 3. THE PROFESSIONAL COMPETENCY EXAMINATION

The Professional Competency Examination is conducted by the Board of Engineers Malaysia pursuant to Section 39A of the Registration of Engineers Act 1967 (Revised 2015).

The Board shall appoint an Examination Panel, consisting of such members from amongst the registered Professional Engineers to assist in conducting the Examination.

### 4. ELIGIBILITY TO SIT FOR THE EXAMINATION

Professional Engineers wishing to sit for the Professional Competency Examination (PCE) shall apply to the Board of Engineers Malaysia by completing application at MyBEM ([www.engineer.org.my](http://www.engineer.org.my)).

Eligible candidates for the examination must be **Professional Engineer (Ir.)** registered with the Board in the appropriate branches.

On approval of the candidate's application by the Board, the candidate is allowed to sit for the examination.

### 5. FEE TO SIT FOR THE EXAMINATION & ONLINE PAYMENT

#### **First Time Candidate**

The fee to sit for the Professional Competency Examination is **RM1,000.00** with an additional fee of **RM100.00** as processing fee (non-refundable).

#### **RE-SIT candidate**

The fee **RE-SIT** for the Professional Competency Examination is **RM500.00** for each papers taken with an additional fee of **RM100.00** as processing fee (non-refundable).

### 6. DATE OF EXAMINATION

The Professional Competency Examination will be held on **17<sup>th</sup> - 18<sup>th</sup> October 2023 (Tuesday & Wednesday)**.

## 7. EXAMINATION VENUE

The examination centres will be in the following:

**1) Kuala Lumpur**

Venue: Bangunan Peperiksaan, University of Malaya

**2) Kuching**

Venue: Swinburne University of Technology

**3) Kota Kinabalu**

Venue: Institut Latihan, Jabatan Kerja Raya Kepayan

Candidates whose application have been approved will be duly informed of the final location **not later than two (2) weeks before the examination** at MyBEM.

**BEM has a right to postpone or cancel the examination or change its venue at any time with a prior notice publish on the BEM website.**

## 8. REGISTRATION TO SIT FOR PCE

Applicants to submit complete application at MyBEM. Please click here: [MyBEM \(engineer.org.my\)](http://MyBEM(engineer.org.my)) for guideline to apply.

**The CLOSING DATE for application is 15<sup>th</sup> SEPTEMBER 2023 (Friday).**

## 9. FINAL RESULTS AND NOTIFICATION

- Candidates for the examination will be notified of their results **four months** after the examination date.
- **Examination results** will be given to candidates on a **Pass/Fail basis**.
- Upon passing the Professional Competency Examination, the candidate may apply to be registered as a Professional Engineer with a Practicing Certificate **within one year** at MyBEM.
- No examination scores or marks will be given to the candidates.

## 10. EXAMINATION APPEALS

A candidate who fails the examination may submit a written appeal at MyBEM to review his/her performance together with a payment of RM400.00.

**The appeal is to be made within two (2) weeks after the receipt of the results.** Late appeals will not be entertained. The result of the appeal will be updated at MyBEM. The findings of the appeal by the BEM will be final. No further appeal will be allowed.

## 11. COURSES FOR THE EXAMINATION

The Board does not endorse any course conducted or provide material as study aids for the examination.

## 12. REFUND OF EXAMINATION FEES

When the applicant has been accepted but is unable to sit for the examination subsequently, the Board may, at its discretion, refund RM500.00 to the applicant if the applicant informs the Board **at least two weeks before the examination or submit a medical certificate within two weeks after the examination.**

There will be **no refund** if the applicant informs the Board **less than two weeks** before the examination date.

## 13. NO SHOW BY THE CANDIDATES FOR THE EXAMINATION

Candidates who do not attend the examination sitting for whatever reasons will be marked as “No Show”. Their examination fees will be forfeited and no refund or credit will be transferred for the next sitting.

## 14. IDENTIFICATION OF THE CANDIDATES AT THE EXAMINATION CENTRE

Candidates sitting for the examination must bring along identification documents for inspection at the examination centre. The identification documents for local candidates shall be their identity cards while for foreign candidates, it shall be their passports.

## 15. FORMAT OF THE EXAMINATION PAPERS IN THE VARIOUS DISCIPLINES

The Examination is an open book examination and shall be in two parts: Part A and Part B.

A candidate must pass both Part A and B in order to pass the whole examination. A candidate at his/her first sitting must sit for both Part A and B together.

Subsequently, a candidate who has failed Part B but passed Part A is allowed to RE-SIT for Part B only **within the following three years.**

In the event of failure, in Part B in the following three years, the applicant has to re-sit the whole examination again. This ruling will be similarly applied to the case when an applicant has passed Part B but failed Part A.

The Part A and Part B of the examination are as follows:

Part A	
<p>Common Paper to be taken by all candidates, which will be non-technical in nature but will test the candidates' knowledge on laws governing the profession, the responsibility of a professional towards the general public and standards of professionalism and ethical behaviour.</p> <p>There are two papers for this Part i.e. Paper 1 and Paper 2. Candidates must pass both papers at one sitting.</p>	
<b>Common Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Common Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>

Part B	
<p>This will be the technical paper, which shall be on Civil, Electrical, Mechanical, Chemical, Environmental, Mining, Geotechnical, Structural and Transportation engineering. Candidates shall sit for the paper in the relevant subject, which they wish to practice. The Examination shall test the candidates' competency within his/her respective field of practice.</p> <p>There are two papers for this Part i.e. Paper 1 and Paper 2. Candidates must pass both papers at one sitting.</p>	
<b>Civil Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Civil Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Electrical Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Electrical Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Mechanical Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>



<b>Mechanical Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Chemical Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Chemical Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Environmental Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Environmental Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Mining Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Mining Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Geotechnical Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Geotechnical Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Structural Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Structural Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>
<b>Transportation Paper 1</b>	<ul style="list-style-type: none"> <li>• 40 objective questions to be answered in 1.5 hours</li> <li>• Passing mark is 50%</li> </ul>
<b>Transportation Paper 2</b>	<ul style="list-style-type: none"> <li>• 5 long/essay questions of which 3 are to be answered in 2 hours + 15 minutes to read the Question</li> <li>• Passing mark is 50%</li> </ul>

The syllabus for the examination in the various disciplines are available on the BEM website.