

## **Purpose of the Graduate Member Qualifying Examinations (GMQE)**

At an EGM held on 10<sup>th</sup> May 2013 the following resolution was taken up.

*“Amendment of entry criteria to Graduate Membership by providing for conducting of an entry examination for all QS graduates (B.Sc in QS degrees acceptable to IQSSL) to be enrolled into Graduate Membership of the Institute. Any graduate holding an accredited degree (by IQSSL) is to be exempted from this exam”*

Membership has proposed amendment to the above resolution that “to conduct 2 number examinations during 3 years period and based on the outcome of the exams to consider whether to continue or amend the qualifying exam”.

The GMQE is the outcome of the passed resolution by the IQSSL voting membership.

The GMQE is an assessment of the Quantity Surveying knowledge and skills expected of a graduate member of IQSSL. The GMQE standards will reflect competencies required to work as a graduate Quantity Surveyor.

### **Eligibility Requirements:**

Candidates applying for the GMQE shall meet the following requirements:

- Be a Sri Lankan Citizen who is over 21 years as at **1<sup>st</sup> of August 2018.**

**And**

- Possess a Bachelor Degree qualification in Quantity Surveying

**And**

- Have approved employment in the field of Quantity Surveying with One Year post qualifying experience as at **1<sup>st</sup> of August 2018.**

## Procedure

GMQE consists of a written examination(s) followed by an oral examination. The examiners will evaluate the written component and invite **only the successful candidates,** who have obtained more than 40 percent for each written examination module for the oral examination.

To pass the GMQE, a candidate shall obtain 40 percent for each of the Seven(07) modules in **one and the same sitting** with an overall average mark of 50 percent.

Pass mark for GMQE 108: Quantity Surveying Practice module is 50 percent. Candidates who score less than 50 percent in this module will get two more attempts.

The medium of written/oral examinations shall be English.

Examinations will be held in September / October 2018.

### **GMQE will consist of the following examination components:**

Written Examination Component Module(s):

- GMQE 101 : Advanced Building Measurement
- GMQE 102 : Civil Engineering Measurement
- GMQE 103 : Contract Management
- GMQE 104 : Construction Economics
- GMQE 105 : Construction Law
- GMQE 106 : Construction Technology
- GMQE 107 : Project Planning & Control

Oral Examination Component:

- GMQE 108 : Quantity Surveying Practice (10 minutes presentation followed by a 20 minutes viva-voce)

**Examination Venue and Schedule:**

**Venue:** Collage of Quantity Surveying, No. 108, Nawala Road, Narahenpita, Colombo 05.

<b>Module Code</b>	<b>Module Name</b>	<b>Examination Date</b>	<b>Examination Time</b>
GMQE 103	Contract Management	16 September 2018	09.00 – 12.00
GMQE 104	Construction Economics	16 September 2018	01.00 – 04.00
GMQE 104	Construction Law	23 September 2018	09.00 – 12.00
GMQE 106	Construction Technology	23 September 2018	01.00 – 04.00
GMQE 107	Project Planning & Control	30 September 2018	09.00 – 12.00
GMQE 101	Advanced Building Measurement	30 September 2018	01.00 – 04.00
GMQE 102	Civil Engineering Measurement	07 October 2018	09.00 – 12.00
GMQE 108	Quantity Surveying Practice	21 October 2018	To be notified

**Fees:**

The non-refundable registration fee for the GMQE is Rs 15,000 and the non-refundable examination fee is Rs 50,000.

**Application Forms:**

Applications forms and other relevant information can be downloaded from

<http://www.iqssl.lk/GMQE>

**Application Closing Date:**

The duly filled application along with the application processing fee of Rs.3,000s shall reach the **IQSSL Secretariat**, The Professional Centre, No. 275/75, Prof. Stanley Wijesundara Mawatha, Colombo 7 on or before 1<sup>st</sup> August 2017. The application processing fee can be paid at the IQSSL Secretariat or could be deposited in the Commercial Bank, Boralla Branch, Account No.:1208409001 in favor of **Institute of Quantity Surveyors Sri Lanka**. Please state your name with initials in the reference box of the Pay-in-Slip. Please retain a copy of the pay-in-slip for your own records and submit the original along with the application.

## **Examination Instructions to Candidates**

The qualified candidates will receive Admission for the examination. The candidates are required to bring their National Identity Card with the attested admission by a Corporate Member of IQS SL or Attorney-at-Law or Justice of Peace for all the examination modules.

Candidates sitting for the examinations must be present at the stated venue at the stipulated time.

Candidates will not be admitted into the examination venue 30 minutes after the commencement of the examination.

## **Module Outline**

### **GMQE 101: Advanced Building Measurement**

Preparation of BOQ for Buildings; Writing Preambles and General notes, taking off quantities in accordance with SLS 573 –[Preliminaries, Concrete and Steel Frame Structures, Finishes, Carpentry and Joinery, Above Ground and Below Ground Drainage, Plumbing, Electrical and Air Conditioning Work, Communication and Telecommunication, Fire Protection and Detection and Security systems].

*Candidates shall carry an unmarked copy of SLS 573:1999 into the examination hall.*

### **GMQE 102: Civil Engineering Measurement**

Preparation of BOQ for Civil Engineering works; Writing Preambles and General notes, taking off quantities in accordance with CESMM –[Preliminaries, Demolition and Site clearance, Earth works, Concrete, Pipe work, Piles, Tunneling, Roads, and Structural Steel, and Railway.

*Candidates shall carry an unmarked copy of CESSM 4 into the examination hall.*

### **GMQE 103: Contract Management**

Documents Forming the Contract, Standard Forms of Contracts, Comparative Interpretation of Contract Conditions, Amendments to Standard Conditions, Contract administration, interim valuations, variations, fluctuations, Extra work, construction claims, Insurance : CAR, CER, WCI, Delay Damages & Penalties, Final Accounts, Construction Auditing

Provisional Sums, Prime Cost Sums, Day Works, Price Escalation & Calculation of Input Percentages, Retention,

Management of Sub Contractors and Suppliers: Associated Procurement Documentation and Responsibilities, Variations, Commitment to Performance, Contract Agreements, Purchase Order and Acceptance.

### **GMQE 104: Construction Economics**

Construction Industry and its Stakeholders , RIBA Plan of Work, Characteristics of the Construction Industry, Significance of Construction In The National Economy, Introduction to Demand and Supply for Construction, Role of Government in Construction

Design Economics: Morphology, Design Factors Incorporating to Engineering Services, Modular Coordination and Buildability

Development appraisal and feasibility studies cost benefit analysis, life cycle costing, risk analysis and value management.

Process of Cost Planning, Cost Control and Cost Reporting, Preliminary Estimating Techniques, Cost Analysis

### **GMQE 105: Construction Law**

Components of Legal Systems, Sources of Law

Law of Contract: Elements, Contents and Discharge of Contracts, Remedies for Breach of Contracts Special Types of Contracts for Construction

Law of Delict: Components and General Principles of the Law of Delict, Breach of Duty of Care and Negligence, Professional Negligence, Vicarious Liability and Strict Liability, General defences of Delict, Remedies for Delict

Sources of Disputes, Alternative Dispute Resolution Methods: Mediation, Conciliation, Adjudication, Arbitration

Arbitration: Procedure, Act, Enforcement Foreign Arbitral Awards, Expert Evidence

### **GMQE 106: Construction Technology**

Surveying and Levelling, Site and Soil Investigations

Interpretation of Architectural, Structural, Services Drawings and Specification Notes

Construction of Elements Related to Domestic Structures: Foundations, Floors, Walls, Roofs, Partitions, Doors & Windows, Stair Cases, Finishes and Fittings, External works

Multi-Storey Structures and Industrial Buildings: Concrete Frame Construction, Non-Load Bearing Walls - Curtain Walls, Claddings, Steel Frame Construction, Tall Building Structures, Systems Building and Industrialization

Concrete Production, Testing Curing, Durability and Defects

### **GMQE 107: Project Planning & Control**

Project planning techniques, cash flow forecasting and monitoring, site layout planning, material management, plant management, human resource management, Quality Management, Progress monitoring, factors influencing development.

### **GMQE 108: Quantity Surveying Practice**

Quantity Surveying Practice (10 minutes presentation followed by a 20 minutes viva-voce)

The Candidates are expected to address their work experience after graduation in the presentation. The viva-voce would be based on the Quantity Surveying Competencies.