STRUCTURE AND SCHEME OF THE EXAMINATION

The Examination shall consist of three (3) papers, all of which must be taken. Paper 1 shall consist of forty (40) multiple choice questions for 40 marks and shall last for 45 minutes.

Paper 2 shall be an essay paper consisting of 5 short structured questions, 4 of which should be answered in 1 hour for 60 marks.

Paper 1 and 2 shall be a composite paper of 1¾ hours duration for 100 marks. Paper 3: 2½ hours duration for 100 marks

Paper 3 shall be a paper in Building Drawing and shall consist of 4 questions. Candidates shall be required to respond to 1 compulsory question and any 2 other questions. The compulsory question shall carry 40 marks. The 3 other questions shall carry 30 marks each.

DETAILED SYLLABUS

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<td>(iii) Introduction to National Building Codes. (Building regulations and Byelaw requirements)</td>
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<td>Building Construction and Construction Team</td>
<td>(i) Definition, purpose and procedures for building construction</td>
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<td>(ii) Parties in the construction team. (Client’s team, contractor’s team and statutory personnel)</td>
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<td>(iii) Function of the team members.</td>
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|   | Safety Practices. | (i) Definition of safety, rules and regulation.  
(ii) Hazards in the workshop and construction site.  
(iii) Causes and method of accident prevention.  
(iv) Safety equipment and measures at construction site.  
(v) First aid equipment, procedures and safety wears.  
(vi) Safety in working with dangerous equipment |
and materials (electricity, scaffolding, formwork, cement, roof, etc).

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<td>(iv) Production drawings and interpretations (Plans, Elevations, sections and details).</td>
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<td>(v) Special details (Detailing building elements including doors and windows schedule).</td>
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<td>(vi) Scaling (Enlargement, pictorial and perspectives).</td>
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<td>(v) Installation of sanitary appliances.</td>
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<td>(xi) Description of septic and soakaway (inspection chamber, manhole, etc).</td>
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<td>(ii) Functional requirements of roof.</td>
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| 20    | Finishes | (i) Materials used for roofs.  
       |         | (iv) Roof covering materials.  
       |         | (v) Protection of roof from wind, rain, lightening, etc. |
|       | A Floors: | (A) Floors: |
|       |         | (i) Types and characteristics of floor finishes.  
       |         | (ii) Methods of laying floor finishes.  
       |         | (iii) Uses of floor finishes.  
       |         | (iv) Care and maintenance of floor finishes. |
| 20    |         | (B) Walls |
|       |         | (i) Types and characteristics of wall finishes |
|       |         | (ii) Types and function of ceiling finishes.  
       |         | (C) Ceiling:  
       |         | (i) Types and function of ceiling finishes.  
       |         | (ii) Ceiling finishing materials. |
| 21    | External Work. | (i) Types of fence, materials for fencing and construction of fence.  
       |         | (ii) Types of gate, fixing of gates and production of gate.  
       |         | (iii) Types and materials for construction of access roads.  
       |         | (iv) Construction of access road.  
       |         | (v) Needs and materials for landscaping.  
       |         | (vi) Procedures for landscaping. |
| 22    | Types of Business Organization and Ways of Raising Capital. | (i) Principles and Management of Business Organization in the building industry.  
       |         | (ii) Types of Business Organization in the Building Industry.  
       |         | (iii) Types and sources of Capital. |
| 23.   | Book Keeping | Book Keeping: |
|       |         | (i) Book Keeping in small scale businesses.  
       |         | (ii) Books of original entries. |
24 Contract Work

Contract Work:

(i) Definition and types of contract.
(ii) Contract documents.
(iii) Parties to a contract.

**Suggested Reading List**

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<th>S/NO.</th>
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<tr>
<td>1</td>
<td>Stephen Emmitt and Christopher A. Gorse.</td>
<td>Barry’s Introduction to Construction in Buildings</td>
<td>Blackwell Publishing</td>
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<tr>
<td>2</td>
<td>M. O. Obande</td>
<td>Blocklaying and Concreting</td>
<td>Longman Publishing Company</td>
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<tr>
<td>3</td>
<td>R. Barry</td>
<td>The Construction of Buildings Vols I–V</td>
<td>Granada</td>
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<tr>
<td>4</td>
<td>Ivor H. Seeley</td>
<td>Building Technology</td>
<td>Palgrave</td>
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<td>5</td>
<td>S. C. O. A. Ezeji</td>
<td>Building Construction</td>
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<td>6</td>
<td>Nash</td>
<td>Brickwork Vols 1 – 3</td>
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<td>7</td>
<td>R. Chudley</td>
<td>Building Construction Handbook</td>
<td>Billing &amp; Sons Ltd.</td>
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<td>8</td>
<td>W. B. Mckay</td>
<td>Building Construction Vols 1 – 4</td>
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<td>9</td>
<td>Roger Greeno</td>
<td>Principles of Construction</td>
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<td>10</td>
<td>Adesokan and M. O. Adeniyi</td>
<td>Building Construction for Senior Secondary Schools Vols 1 – 3 (Ilesanmi)</td>
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<td>R. Chuelley</td>
<td>Construction Technology Vols 1 – 4</td>
<td>Longman</td>
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<td>C. M. H. Barritt</td>
<td>Advanced Building Construction Vols 1 &amp; 2</td>
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**GOOD LUCK!**