

**CST – Construction
Technical drawing**

T019

**Monday, 04/11/2013
1:30 - 4:30 PM**

WORKFORCE DEVELOPMENT AUTHORITY



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**ADVANCED LEVEL NATIONAL EXAMINATIONS, 2013,
TECHNICAL AND PROFESSIONAL TRADES**

EXAM TITLE : Construction Technical drawing

OPTION: Construction (CST)

DURATION: 3hours

INSTRUCTIONS:

The paper contains **two (2)** sections :

Section I: Fifteen **(15)** questions, all **Compulsory**; **55marks**

Section II: Three **(3)** questions, **Choose any one (1)**; **45marks**

The use of calculator is not necessary

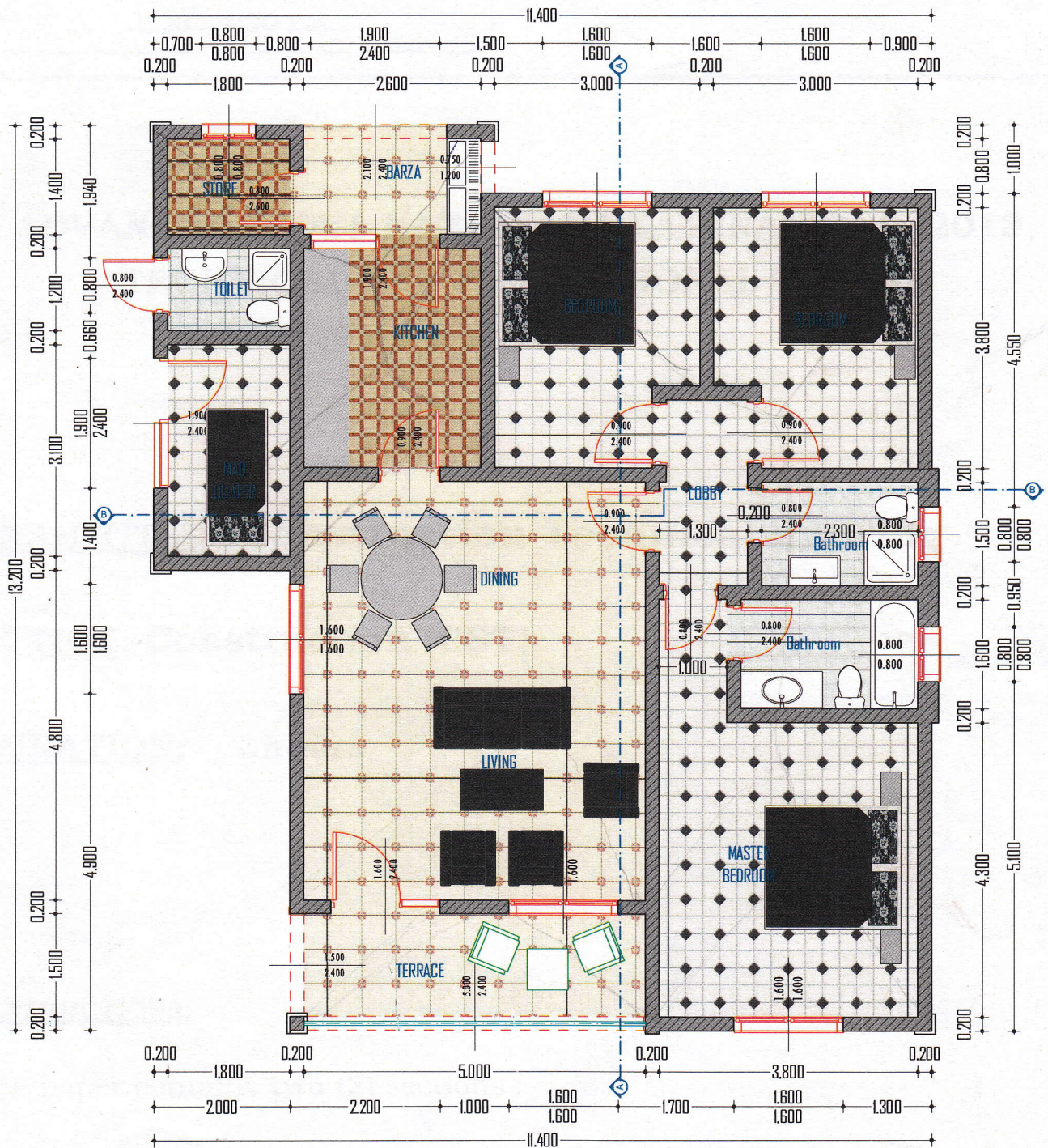
Part I : Attempt all the 15 Questions (compulsory) 55marks

01. What do you understand by “working drawings”? **2marks**
02. a) What do you understand by “construction drawings”? **4marks**
b) How must be the information on construction drawings? **3marks**
03. Is it important that all drawings should be full dimensioned? **1mark**
04. How do we put :
a) Horizontal dimensions? **2marks**
b) Vertical dimensions? **2marks**
05. Where can we show north points during orientation of plans? **4marks**
06. Give the door symbols on plans:
a) A single leaves corresponding 90° ; **1mark**
b) A single leaves corresponding 180° ; **1mark**
c) Two leaves each opening 90° ; **1mark**
d) Straight sliding; **1mark**
07. a) What is site plans? **2marks**
b) What is the purpose of a site plans? **4marks**
08. What is the purpose of a location floor plan? **4marks**
09. What is a section? **1mark**
10. a) What do you understand by “Assembly drawings”? **1mark**
b) What is the purpose of assembly drawings? **3marks**
11. What is the common system used to mark references for columns and beams? **6marks**
12. Why do we need scales in construction drawings? **3marks**
13. What are the main scales or ratios used (in construction drawings) for buildings details? **3marks**
14. a) Give the two things on which the choice of scale depends. **2marks**
b) Which distance does a scale is used to measure? **1mark**
15. To a scale of 1:10, 1:100 and 1:50; what is the distance represented by 100mm on drawings? **3marks**

Part II : Choose and Answer any 1 Question 45marks

16. According to the ground floor plan view given hereafter, you are requested to draw only one of the following sections of your choice:
a) Section **A-A**
b) Section **B-B**, or
c) To draw the **roof plan**.

Ground floor plan



GROUND FLOOR

SCALE 1/50