THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

084 **ELECTRICAL DRAUGHTING**
(For Both School and Private Candidates)

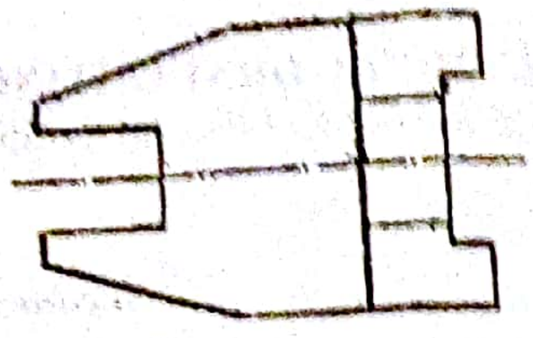
TIME: 3 Hours ***Wednesday November 05, 2003 p.m.***

Instructions

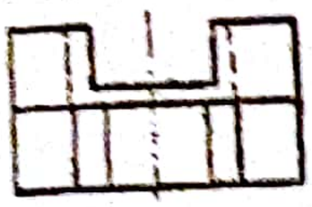
1. This paper consists of **SIX (6)** questions.
2. Answer **FOUR (4)** questions including question **number 1.**
3. Cellular phones are **not** allowed in examination room.
4. Electronic calculators are **not** allowed in the examination room.
5. Write your Examination Number on every page of your answer booklet(s).

This paper consists of 4 printed pages

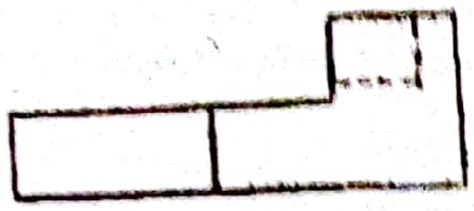
1. Draw the pictorial view of the object whose views are shown below. The views are in third angle orthographic projection. (No dimensions are required)



PLAN



END ELEVATION



FRONT ELEVATION

2. Give the names of the electronic components represented by the following symbols:

(a)  (b)  (c)  (d) 

(e) 

3. (a) List down three functions of block diagrams.

(b) List down five possible steps of drawing block diagrams.

4. Draw the circuit symbols for the following:

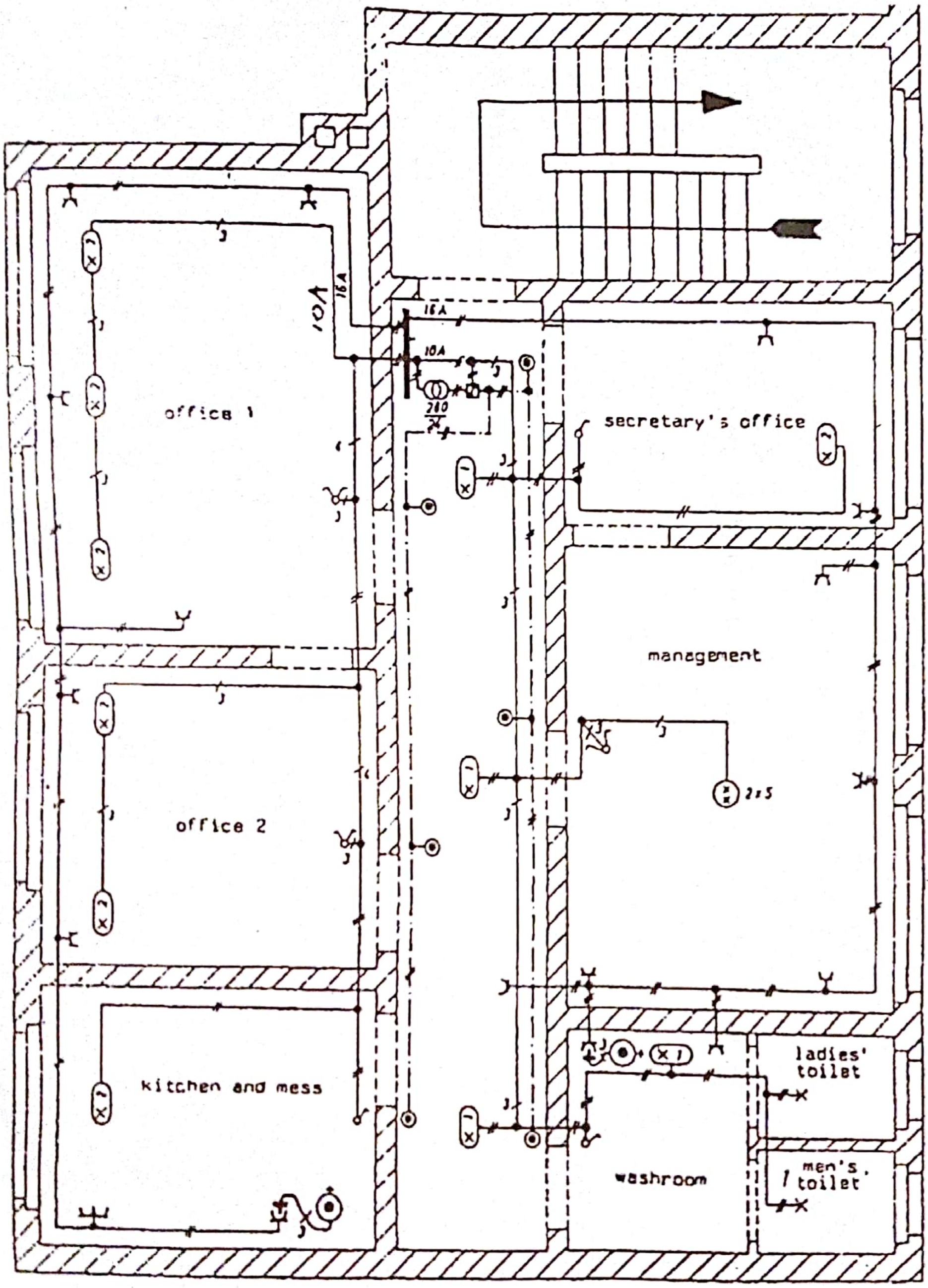
(a) Underground cable

(b) Cable laid above ground e.g. overhead line

(c) Cable laid on plaster

(d) Cable laid under plaster

5. Draw the one-line diagram for the electrical layout shown below. Label each circuit. (Use re-wireable fuses for the protective devices).



6. Group the following pencils into the three pencil hardness categories of hard, soft and medium. The pencils are 9H, H, HB, 4H, 2H, B, 7H, 3H, F, 2B, 3H, 4B, 8H, 5B, 6B, 6H and 3B

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