

EXAMINATION: AUTHORIZATION A

April 2016

Practical Test

Time Allowed - 1Hr

Name & Surname _____ Index No. _____
(In Block letters)

The attached drawings show the building plan of an apartment. The owner has marked on the building plan the electrical points he requires for the electrical installation. The electrical installation is to be supplied from a 230V, 50Hz single-phase supply.

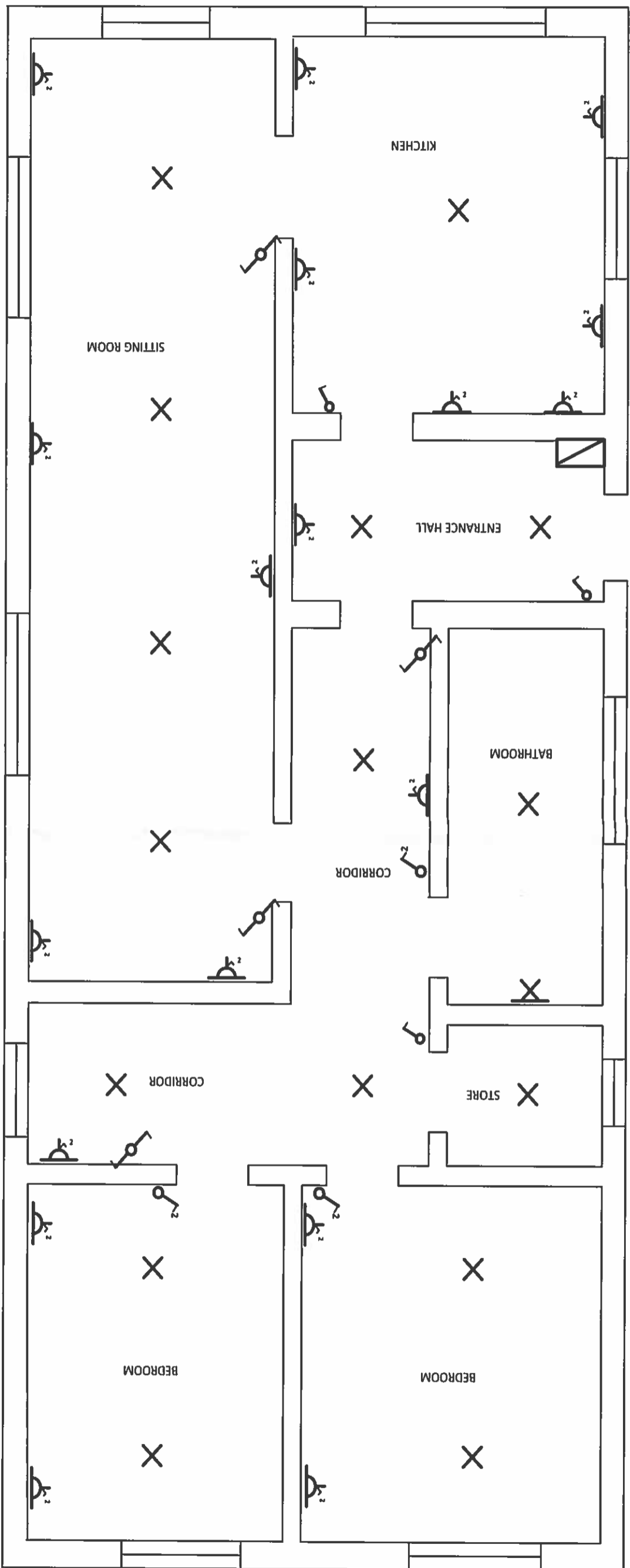
- a. How many circuits do you suggest for this electrical installation and clearly specify the area (rooms) that each circuit will be protecting? **(8 marks)**
- b. Indicate, on one of the attached drawings, the proposed circuits and conduit routes for the lighting circuits from the distribution board. **(8 marks)**
- c. Indicate, on one of the attached drawings, the proposed circuits and conduit routes for the power circuits from the distribution board. **(8 marks)**
- d. Draw a suitable Consumer Unit Layout for the above installation showing the MCB's, Main Switch, RCD and any other protection that may be required for the installation. **(10 marks)**
- e. List the sequence of tests that need to be performed before energising the installation. **(6 marks)**

Note:

1. All diagrams must be neat, clear and fully labelled.

END OF PAPER

LIGHTING CIRCUITS



POWER CIRCUITS

