

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examinations
ELECTRICAL POWER SYSTEMS

ELECTRICAL TECHNOLOGY AND DIAGRAMS 3
5245



JUNE XXXX

INTERMEDIATE LEVEL

Subject Title	ELECTRICAL TECHNOLOGY AND DIAGRAMS
Subject Code No.	5245
Paper No.	THREE

FOUR HOURS

This PAPER is a practical paper. It has a weighting of 40%. Each candidate has four hours to carry out the electrical writing using the given diagram and at the end of the wiring, trace a fault created by the supervisor on a functional piece and write a report.

MARKING SCHEME

EXERCISE	DURATION	MARKS
WIRING	3 HOURS 30MINS	90
FAULT TRACING	20 MINS	7
REPORT WRITING	10 MINS	3

You are reminded of the necessity for good English and orderly presentation in your answer

Turn Over

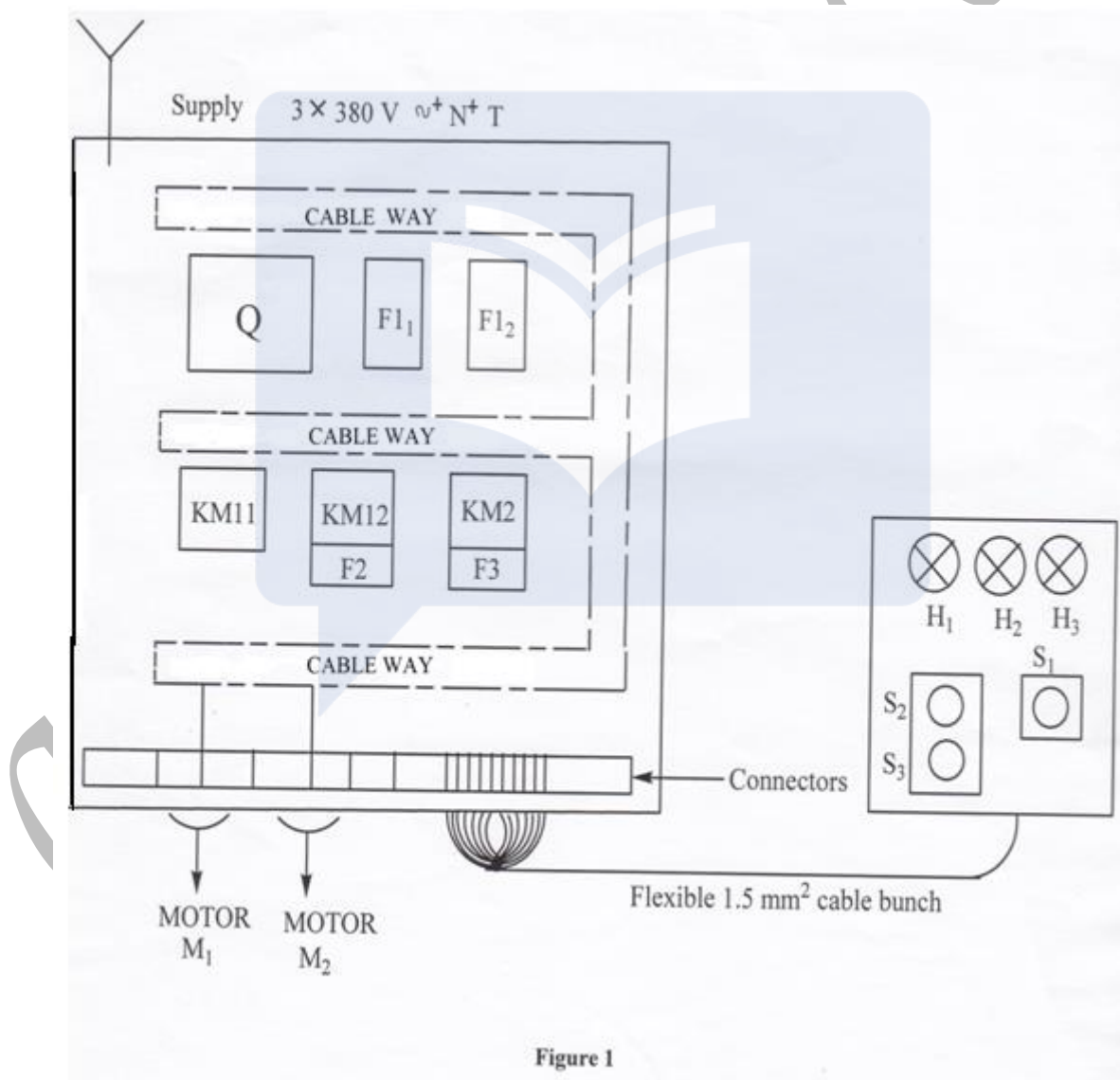
A SMALL WORKSHOP

A small workshop has two 3-phase asynchronous motors M_1 and M_2 .

The motor M_1 is used for lifting objects and M_2 is a compressor for distribution of air.

The electrical system is done as in figures 1, 2 and 3.

1.



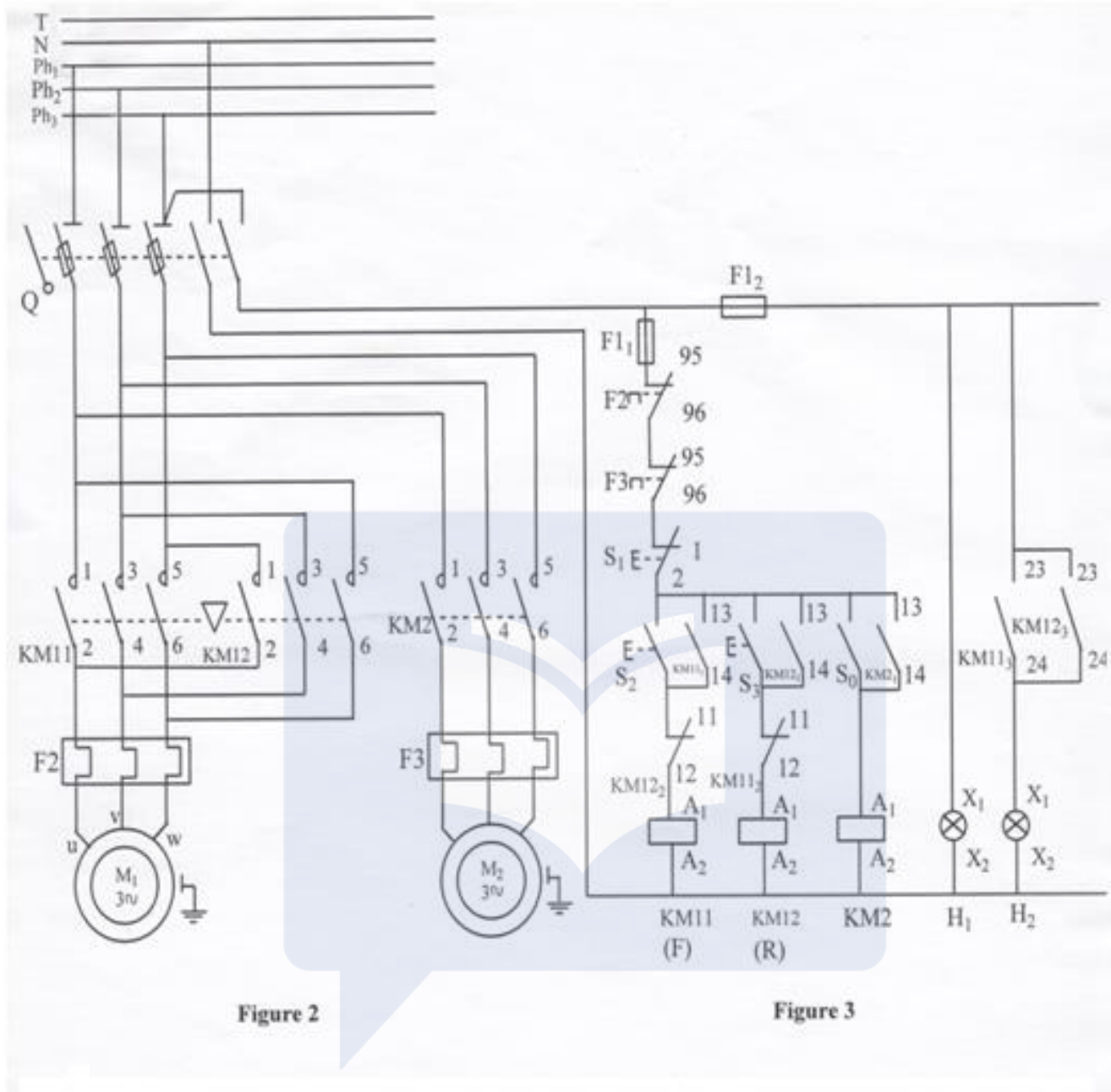


Figure 2

Figure 3

WORK REQUIRED:

Carry out the wiring of this system following the implantation plan, the power and control circuits of Figures 1, 2 and 3 respectively