

Free-Standing Mathematics Qualification  
June 2007  
Advanced Level



**USING & APPLYING DECISION MATHEMATICS 6994/2PM**  
**Unit 14**

**PRELIMINARY MATERIAL**

**DATA SHEET**

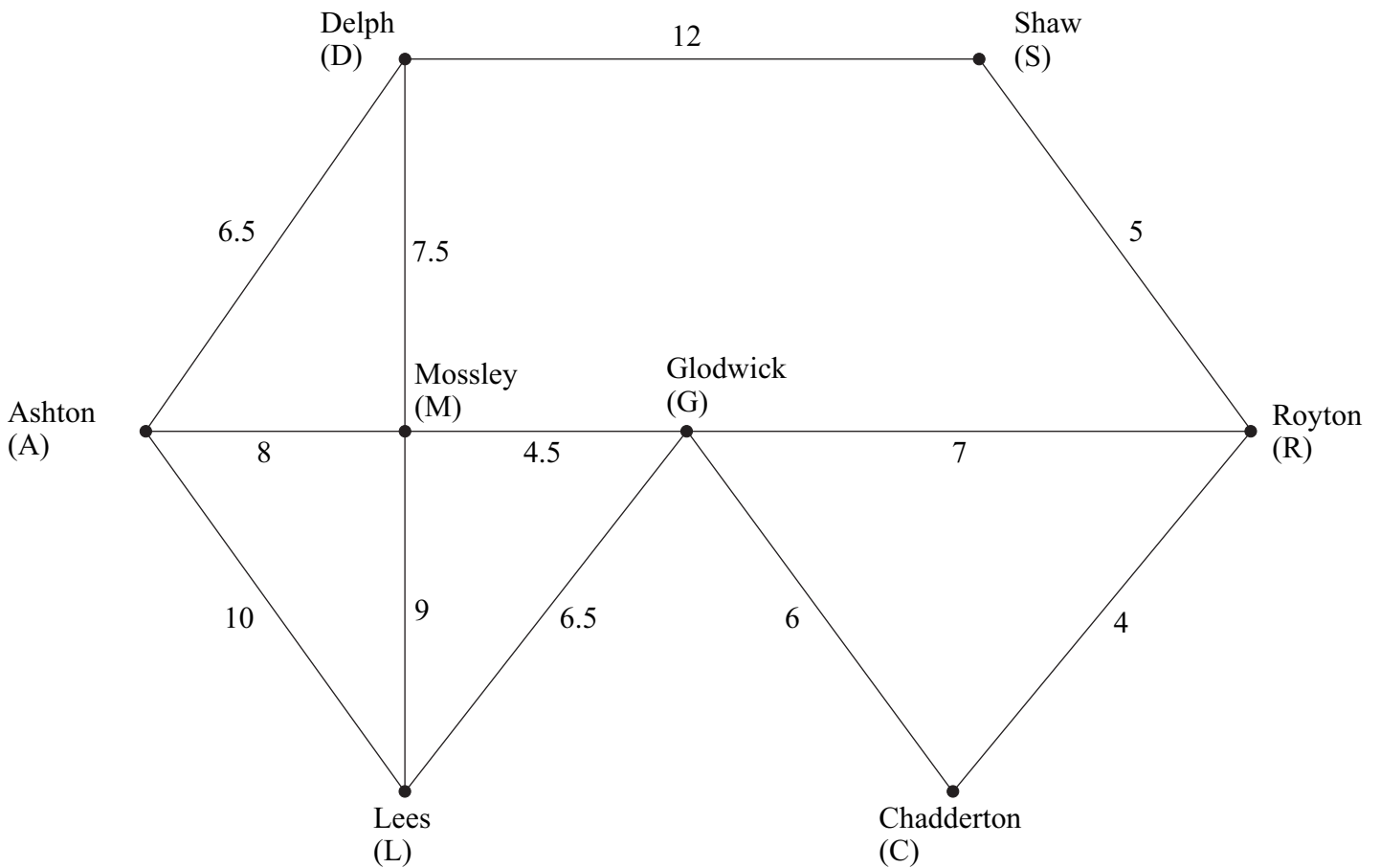
**To be issued to candidates between Tuesday 1 May 2007  
and Tuesday 8 May 2007**

**REMINDER TO CANDIDATES**

YOU MUST **NOT** BRING THIS DATA SHEET  
WITH YOU WHEN YOU SIT THE EXAMINATION.  
A CLEAN COPY WILL BE MADE AVAILABLE.

### Road network

Different places near Oldham are connected by a network of roads.



### Building project

A garage is to be converted into a flat. The external work on the building has been completed and the inside is to be fitted out. The work has been divided into 11 activities and some need to be completed before others can be started.

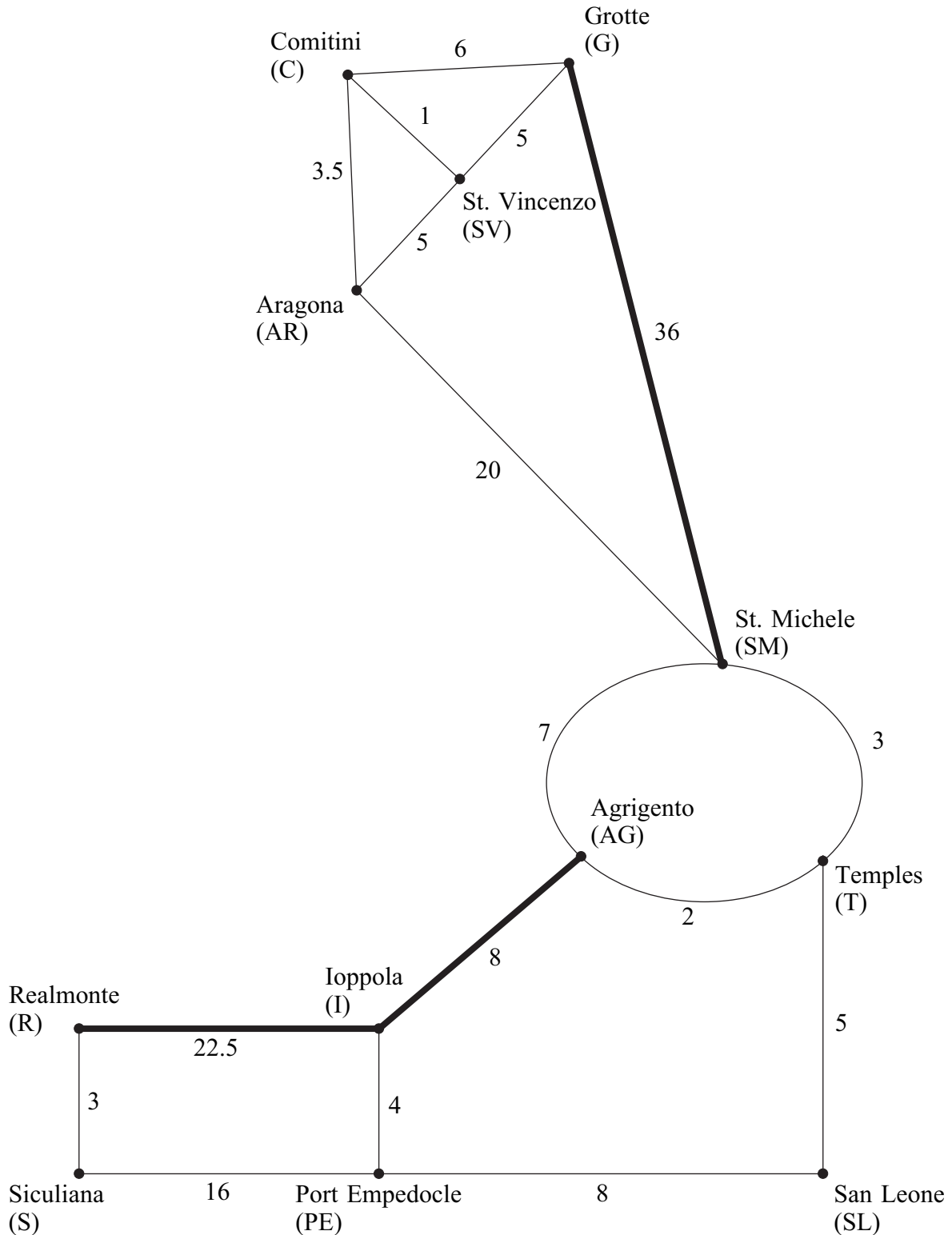
- All joinery
- Artexing ceilings
- Cleaning
- Decorating
- Final electrics
- Final plumbing
- Initial electrics
- Initial plumbing
- Insulating walls
- Plastering
- Studding

## Sicily

The diagram below shows roads connecting 12 places in the south of Sicily. The numbers on the edges represent the lengths of the roads, in kilometres, between adjacent places.

Roads that are indicated by a thin line are country roads. Roads that are indicated by a thick line are main roads.

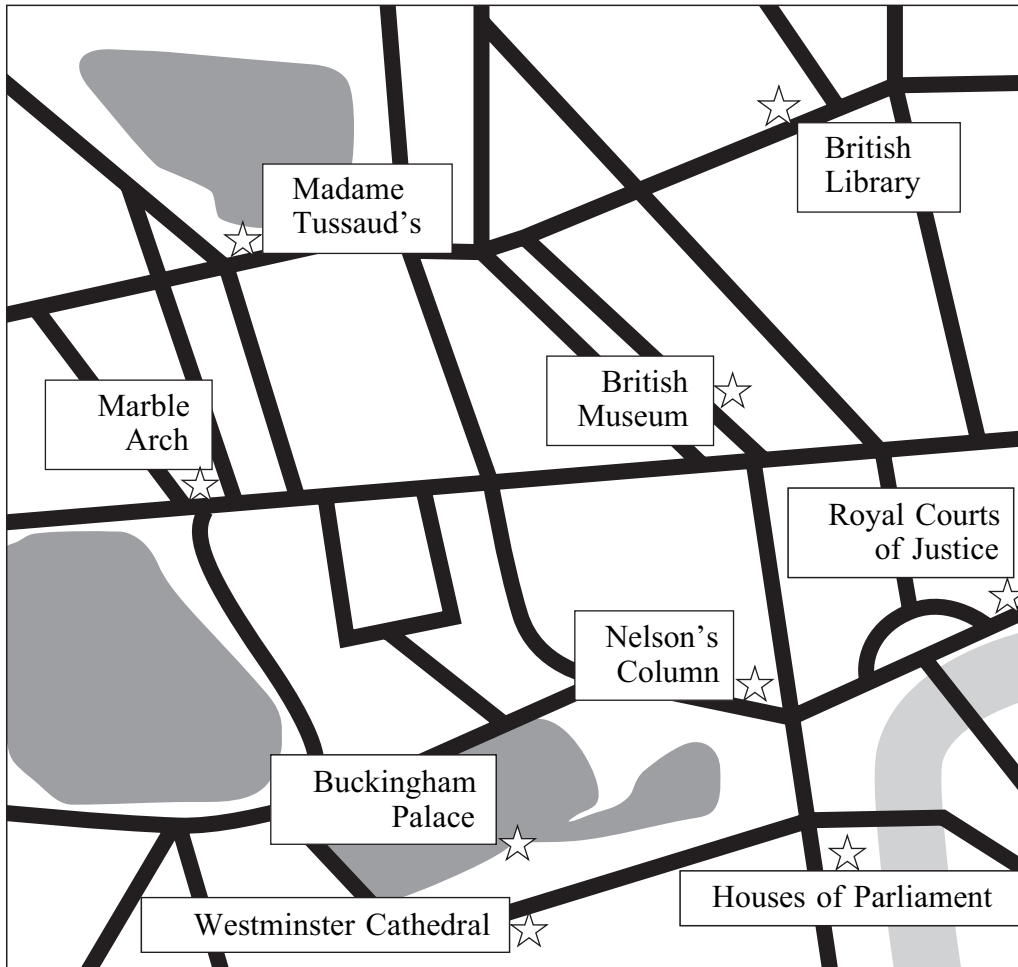
A desalination plant is to be built in the area.



Turn over ►

**London tourist attractions**

Tourists in London might choose to visit some of these attractions.



**END OF DATA SHEET**