1. Consider the COMPANY schema diagram in Figure 1 overleaf.

   (a) Explain why certain attributes have been underlined. [4]

   (b) Explain the meaning of the following phrase.

       Pno *is a foreign key of* WORKS_ON *that references* PROJECT.

       [6]

   (c) Write SQL code to create the following views.

       i. View named VFA that lists the first names of all employees from the 'Administration' department. [5]

       ii. View named VDNMA that provides the following details for every department: department number, manager's last name, average departmental salary. [5]

   (d) Is it possible to define a view that will report the following details for each employee: Ssn and the number of employees who work on exactly the same set of projects? Explain why not or provide an SQL query. [5]

Total mark for this question: 25