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 'Adminis-
           tration' 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