

5. Consider the following relation schema:

SONG(*Singer*, *Genre*, *ReleaseDate*, *Title*, *ShortTitle*, *ReleaseYear*, *ReleasePlace*),

where $\{Singer, Title\}$ is the primary key. Assume the following additional dependencies:

$Singer \rightarrow Genre$,

$ReleaseDate \rightarrow ReleaseYear$,

$Title \rightarrow ShortTitle$.

(a) Based on the primary key, determine whether this relation is in 1NF, 2NF, 3NF. [9]

(b) Perform any normalisation steps required to bring it into 3NF. [16]

Total mark for this question: 25