Date of Examination: 13th October 2021
Duration: 15 minutes (for writing answers) + 5 minutes (for taking photos, concatenating, and uploading to moodle)
Subject: CS60025 Algorithmic Game Theory

Let d be the last digit (from right) of your roll number. Suppose we have 3 buyers who want to buy 2 goods A and B. Each good can be allocated to any buyer independent of the other good. Their valuations are as follows.

Bundle	v_1	v_2	v_3
$\emptyset$	0	0	0
$\{A\}$	$d+1$	d	$d+1$
$\{B\}$	$d+2$	$d+3$	$d+2$
$\{A, B\}$	$d+3$	$d+3$	$d+4$

[10 Marks]