Group 1

a) $\{b, d\}$ *30%*

$\{a, c, e\}$ *30%*

$\{a, d, e\}$ *30%*

~~Gödel~~   *10%*

b)

$aux1 :- e, f.$

25% | $a :- aux1, not\ a1.$

$a1 :- not\ a.$

     $b :- aux1, not\ b1.$

     $b1 :- not\ b.$

     $c :- aux1, not\ c1.$

     $c1 :- not\ c.$

25% |

$1 :- not\ a, not\ b, not\ c.$

$:- a, not\ b, not\ c$

$:- not\ a, not\ c.$

$:- c, not\ a, not\ b.$

30% |

$f :- d, e.$

$e.$

30% | $ic :- not\ f, not\ ic.$

tudo correcto: *+10%.*

c) $P^{\{b,c\}} = \begin{array}{l} a \lor b. \\ c. \end{array}$ $min(P^{\{b,c\}}) = \{\{a,c\}, \{b,c\}\}$ *25%*

$\{b, c\} \in min(P^{\{b,c\}})$ $\{b,c\}$ is an answer set

25%

Espaço de rascunho:

expand $(\{y, \{c, y, c, d\})$

L'	$Cn(P^{U'})$	L	$Cn(P^{L'})$	U
25% $\{\}$	$\{\}$	$\{\}$	$\{a, y, c, d\}$	$\{y, c, d\}$ $\{a, y, c, d\}$

15% $Solve\left(\{a, y\}, \{a, y, c, d\}\right)$ ou $Solve\left(\{\}, \{y, c, d\}\right)$

L'	$Cn(P^{U'})$	L	U'	$Cn(P^{L'})$	U

	$\{a, y\}$	$\{\}$	$\{a, y\}$	$\{a, y, c, d\}$	$\{a, y, c, d\}$	$\{y, c, d\}$
$\{a\}$	$\{a, c\}$	$\{a, c\}$	$\{a, c, d\}$	$\{a, c, d\}$	$\{a, c, d\}$
$\{a, c\}$	$\{a, c\}$	$\{a, c\}$	$\{a, c, d\}$	$\{a, c, d\}$	$\{a, c\}$
$\{a, c\}$	$\{a, c\}$	$\{a, c\}$	$\{a, c\}$	$\{a, c\}$	$\{a, c\}$

flot correcto

$\{a, c\}$ é modelo estável

10%

100%