

Marking rubric for Assessment 3

Course: SIT718 - Real World Analytics

Question 1	5 5 points	4 4 points	2 2 points	0 0 points	Criterion Score
(a) Why a linear programming	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 5
(b) Formulate a Linear Programming	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 5
(c) Find the optimal solution	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 5
(d) Sensitivity analysis	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 5

Question 2	20 20 points	15 15 points	10 10 points	5 5 points	0 0 points	Criterion Score
(a) Formulate an LP model	Correct answer	Partially correct	Partially correct	Partially correct	No answer or incorrect answer	/ 20
(b) Solve the model	Correct answer	Partially correct	Partially correct	Partially correct	No answer or incorrect answer	/ 20

Question 3	10 10 points	7 7 points	3 3 points	0 0 points	Criterion Score
(a) Formulate the payoff matrix	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 10

Question 3	10 10 points	7 7 points	3 3 points	0 0 points	Criterion Score
(b) Construct a linear programming	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 10
(c) Produce an appropriate code	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 10
(d) Solve the game and interpret solution	Correct answer	Partially correct	Partially correct	No answer or incorrect answer	/ 10

Total	/ 100
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Overall Score

HD
80 points
minimum

D
70 points
minimum

C
60 points
minimum

P
50 points
minimum

N
0 points
minimum