Assessment Schedule – 2019

Scholarship Agricultural and Horticultural Science (93105)

Question ONE: Sustainable primary production and climate change		
Performance not at Scholarship level	**Scholarship Performance**	**Outstanding Performance**
Some understanding of the issue of climate change is clearly explained and discussed. Agricultural greenhouse gas emissions are identified and explained. Their relevance to climate change is mentioned. Some discussion of the challenges that climate change presents to New Zealand's primary production, and the options producers have to meet these challenges. Answer lacks structure and coherence.	Understanding of the issue of climate change is clearly articulated. Agricultural greenhouse gas emissions are identified and explained. Their relevance to New Zealand's emissions and climate change is accurately discussed. A sound analysis of the challenges that climate change presents to New Zealand's primary production, and the options producers have to meet these challenges. A well-structured, clearly discussed answer.	Understanding of the issue of climate change is clearly articulated. Agricultural greenhouse gas emissions are identified and explained. Their relevance to New Zealand's emissions and climate change is accurately discussed. An insightful discussion or analysis of the impacts and challenges that climate change presents to New Zealand's primary production and the options producers have to meet these challenges. For example: • Loss of winter chilling in Hawkes Bay challenging the stone-fruit industry. • Frequency of extreme weather events. • Water supply consideration. • Overarching expectation of New Zealand reducing greenhouse gas emissions impacting at the production level and being a factor in government policies. • Options include relocating industries or changing crops, developing new varieties, and modification of existing farming systems. A well-structured, clearly discussed answer, with little superfluous material.
1 – 4	5, 6	7, 8

Question TWO: Consumer perspectives within the global economy		
Performance not at Scholarship level	**Scholarship Performance**	**Outstanding Performance**
A discussion of how consumer perspectives have guided innovation. Both production and marketing aspects are discussed.	A comprehensive discussion of how consumer perspectives have guided innovation within selected primary production systems. Both production and marketing aspects are discussed. A well-structured, clearly discussed answer.	A comprehensive discussion of how consumer perspectives have guided innovation within selected primary production systems. Both production and marketing aspects are discussed in depth. For example: • Move towards alternative proteins – driven by fresh perspectives towards global issues such as climate change and food supply, and supported by targeted, strategic marketing. • Merino wool, Icebreaker, traceability, and the image of healthy outdoor living. • A2 milk, health benefits, food intolerances, and Fonterra marketing strategies. • Perceptive discussion and analysis. A well-structured, clearly discussed answer, with little superfluous material.
1 – 4	5, 6	7, 8

Question THREE: Changes in land use in New Zealand		
Performance not at Scholarship level	**Scholarship Performance**	**Outstanding Performance**
Recognition and analysis of the implications of changing land use patterns for ONE chosen primary production system. One or more of economic, environmental or social implications missing or weakly discussed. Answer lacks structure and coherence.	Recognition and analysis of the implications of changing land use patterns for TWO chosen primary production systems. Well-structured, clearly discussed answer.	Recognition and perceptive discussion and analysis of the economic, environmental and social implications of changing land use patterns for TWO chosen primary production systems. For example: • Urban growth into high-production, climatically favourable Pukekohe soils – tension between agricultural production and urban growth. Crops being pushed into less favourable regions with potential loss of yield or lack of specialist infrastructure. • Expansion of irrigated dairying into previously dryland farming areas – social and environmental concerns and economic benefits analysed. • Issues with growth of intensive fruit production and the need for seasonal workers in certain regions that are unable to supply the numbers required. • Loss of stock numbers in some historically lamb or beef regions causing the loss of processing facilities and the subsequent need to transport stock further. Associated animal welfare and economic implications discussed. A well-structured, clearly discussed answer, with little superfluous material.
1 – 4	5, 6	7, 8

Cut Scores

Scholarship	Outstanding Scholarship
13 – 18	19 – 24