



Celebrating 100 Years of Career Readiness

2018-2019 Technical Skills Assessment Animal Science

Results by Standard

Legend (%)		
0-50%	51-75%	76-100%

Assessment: Idaho Animal Science Number tested: 106	% Correct 16-17	% Correct 17-18	% Correct 18-19
1) CONTENT STANDARD 1.0: AGRICULTURE FUNDAMENTALS	64.00%	62.80%	84.03%
1) Performance Standard 1.1: Animal Agriculture Industries	52.53%	46.11%	61.46%
1.1.1 Explain animal production in Idaho.	52.53%	46.11%	53.50%
2) Performance Standard 1.2: Beef Industry	62.48%	67.87%	53.50%
1.2.2 Determine the facility and equipment needs in beef production.	66.33%	68.22%	66.07%
1.2.3 Compare and contrast types of beef production systems.	63.64%	69.16%	67.79%
1.2.4 Compare and contrast grazing systems.	55.56%	66.67%	71.43%
3) Performance Standard 1.3: Dairy Industry	80.81%	65.19%	60.78%
1.3.1 Describe elements of dairy production.	80.81%	65.19%	58.19%
2) CONTENT STANDARD 2.0: NUTRITIONAL REQUIREMENTS FOR LIVESTOCK	69.47%	66.56%	58.19%
1) Performance Standard 2.1: Digestive Systems of Domestic Animals	94.95%	89.72%	66.11%
2.1.1 Compare and contrast ruminant and mono-gastric digestive systems.	94.95%	89.72%	86.55%
2) Performance Standard 2.2: Livestock Feedstuffs	66.29%	63.67%	86.55%
2.2.1 Explain the functions of feed and how they supply nutrients to livestock.	61.11%	58.18%	63.55%
2.2.2 Identify, compare and contrast the types of feedstuffs (roughages, concentrates, and supplements/additives).	71.46%	69.16%	62.39%
3) CONTENT STANDARD 3.0: LIVESTOCK REPRODUCTIVE SYSTEMS	66.67%	61.95%	64.71%
2) Performance Standard 3.2: Natural Animal Reproduction	73.99%	68.93%	61.70%
3.2.1 Discuss the importance and explain the basics of animal reproduction.	73.99%	68.93%	70.17%
5) Performance Standard 3.5: Lactation	52.02%	52.65%	70.17%
3.5.1 Discuss reproduction management practices and determine how they affect reproductive	52.02%	52.65%	50.42%
4) CONTENT STANDARD 4.0: PRINCIPLES OF EVALUATION FOR ANIMAL SELECTION	56.57%	71.96%	50.42%
2) Performance Standard 4.2: Heritability of Traits	56.57%	71.96%	64.71%
4.2.3 Discuss the advantages of crossbreeding and hybrid vigor in livestock production.	56.57%	71.96%	64.71%

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5) CONTENT STANDARD 5.0: ANIMAL WELFARE, HANDLING, AND QUALITY ASSURANCE	69.64%	68.50%	64.71%
1) Performance Standard 5.1: Animal Welfare Philosophies	80.61%	79.44%	65.71%
5.1.1 Compare and contrast animal welfare versus the concept of animal rights.	83.08%	79.91%	80.84%
5.1.2 Research and report the basis for general concerns regarding animal welfare.	70.71%	77.57%	80.88%
3) Performance Standard 5.3: Cultural and Controversial Issues Related to Animal Use and Keep	74.17%	73.36%	80.67%
5.3.1 Compare and contrast current controversial issues in animal usage.	61.62%	57.94%	70.59%
5.3.2 Distinguish between fact and propaganda when analyzing animal usage issues and their impact on the environment.	78.45%	77.88%	52.94%
5.3.4 Examine legislation regarding current animal usage and welfare.	74.07%	79.13%	78.71%
4) Performance Standard 5.4: Quality Assurance Standards	55.22%	55.14%	74.23%
5.4.1 Research quality assurance standards for Idaho's livestock industry.	39.39%	44.39%	49.34%
5.4.2 Explain how these standards would apply to the livestock industry.	71.04%	69.47%	40.76%
6) CONTENT STANDARD 6.0: EVALUATING ANIMAL HEALTH AND ADMINISTERING CARE	71.23%	72.42%	60.78%
1) Performance Standard 6.1: Animal Disease Transmission and Immunity	88.89%	91.59%	68.53%
6.1.3 Identify how passive and active immunity can be enhanced by management.	88.89%	91.59%	88.66%
2) Performance Standard 6.2: Animal Medications	65.53%	66.47%	88.66%
6.2.1 Examine the use of vaccines in disease control.	53.79%	54.44%	64.18%
6.2.2 Examine the types and forms of pharmaceuticals.	87.37%	87.85%	53.15%
6.2.3 Compare appropriate storage methods for medications and recognize how improper storage conditions may affect drugs.	67.17%	69.16%	78.15%
3) Performance Standard 6.3: Medication and Care	75.94%	76.71%	72.27%
6.3.1 Illustrate methods used to administer vaccines and pharmaceuticals.	86.36%	78.50%	71.71%
6.3.2 Identify the instruments used to administer vaccines and pharmaceuticals.	71.72%	76.01%	75.63%
6.3.3 Describe the types of injections, and determine the appropriate injection sites and dosages.	74.75%	69.16%	71.99%
6.3.4 Examine the components of a label found on animal medication and interpret a veterinarian's prescription.	74.49%	79.67%	71.43%
4) Performance Standard 6.4: Parasites	77.78%	81.54%	68.70%
6.4.3 Recognize the importance of controlling parasites in disease management.	77.78%	81.54%	75.42%
5) Performance Standard 6.5: Disease Control and Management	--	80.37%	75.42%
6.5.2 Evaluate vaccination and prevention methods, and describe the types of vaccines available.	--	80.37%	70.59%
6) Performance Standard 6.6: Animal Health	59.93%	57.94%	70.59%
6.6.1 Interpret animal behavior as related to health.	41.92%	41.59%	56.30%
6.6.3 Describe ways of identifying and tracking individual animals.	68.94%	66.12%	40.34%

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8) CONTENT STANDARD 8.0: EXAMINE AGRICULTURAL BUSINESS AND RISK MANAGEMENT	60.10%	60.19%	64.29%
1) Performance Standard 8.1: Marketing Process	50.00%	54.83%	58.15%
8.1.3 Discuss current industry trends in agriculture marketing.	50.00%	54.83%	54.62%
2) Performance Standard 8.2: Market and Sales Analysis	70.20%	68.22%	54.62%
8.2.3 Discuss the value of accurate product information.	70.20%	68.22%	63.45%
9) CONTENT STANDARD 9.0: CAREER OPPORTUNITIES IN ANIMAL SCIENCE	67.17%	70.79%	63.45%
1) Performance Standard 9.1: Careers in Animal Science	67.17%	70.79%	69.54%
9.1.1 Research potential careers in animal science.	92.93%	90.65%	69.54%
9.1.2 Demonstrate employability skills for a career in the animal science industry.	58.59%	64.17%	87.39%
10) CONTENT STANDARD 10.0: LEADERSHIP TRAINING THROUGH AGRICULTURAL EDUCATION	72.05%	73.21%	63.59%
1) Performance Standard 10.1: Effective Leadership and Participation in Leadership Training	66.92%	67.52%	73.67%
10.1.2 Participate in a career development event at a local or higher level.	69.70%	72.90%	68.49%
10.1.4 Participate in a speech or presentation activity.	64.14%	62.15%	71.85%
2) Performance Standard 10.2: School and Community Awareness	82.32%	84.58%	65.13%
10.2.1 Participate in a school improvement or community development project.	82.32%	84.58%	84.03%