



Landscape Design and Management 2018-19 State Results

Statistics data includes students taking exams in the original testing period and includes students retaking exams. The Score Distribution and Standards performance tables show results for original testing period only for accurate evaluation of live testing performance.

Statistics

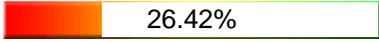
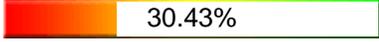
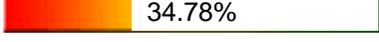
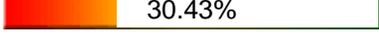
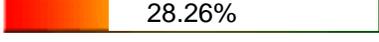
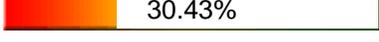
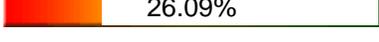
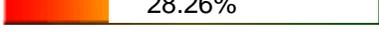
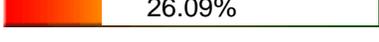
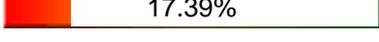
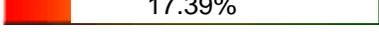
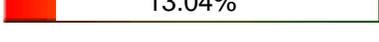
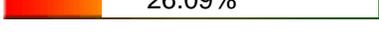
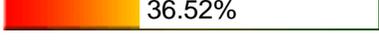
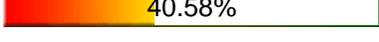
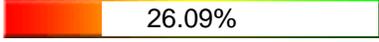
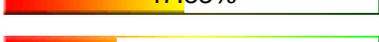
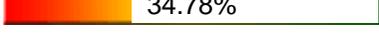
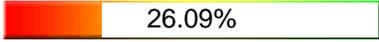
Categories	Performance
Participants	23
Pass Rate	0
Pass Percentage	0.0%
Average Score	32.1
Cut Score	60

Score Distribution

% Range	# Scores in Range
0-10	0
10-20	1
20-30	8
30-40	11
40-50	2
50-60	1
60-70	0
70-80	0
80-90	0
90-100	0

Landscape Design

1) CONTENT STANDARD 1.0 : SAFETY IN THE LANDSCAPE INDUSTRY	52.17%
1) Performance Standard 1.1 : Properly Perform Safe Work Practices	52.17%
1) 1.1.1 Identify and properly use personal protection equipment	60.87%
2) 1.1.2 Read, understand and follow label directions and MSDS	30.43%
3) 1.1.3 Properly identify common hand tools and power equipment	59.42%
4) 1.1.4 Safely use common hand tools and power equipment	43.48%
2) CONTENT STANDARD 2.0 : LANDSCAPE PLANT IDENTIFICATION	27.17%
1) Performance Standard 2.1 : Categorize Landscape Plants By Use	27.17%
1) 2.1.1 Correctly categorize landscape plants by life cycle (i.e. annuals, perennials, trees, groundcovers)	13.04%
2) 2.1.2 Correctly categorize landscape plants by growth habits	28.26%
4) 2.1.4 Identify common landscape plants by botanical and common names	39.13%
3) CONTENT STANDARD 3.0 : DESIGNING THE LANDSCAPE AREAS	30.04%
1) Performance Standard 3.1 : Explore the Outdoor Room Concept	39.13%
1) 3.1.1 Distinguish the major areas of a residential landscape	43.48%
2) 3.1.2 Assess design guidelines for the public space	34.78%
2) Performance Standard 3.2 : Compile Information in Preparation for Landscape Design Work	27.17%
1) 3.2.1 Determine the clients need and desires	21.74%
2) 3.2.2 Analyze the site conditions	21.74%
3) 3.2.3 Prepare a site analysis plan	43.48%
5) Performance Standard 3.5 : Create Industry Standard Plan Drawing	28.7%
2) 3.5.2 Apply the principles and elements of design to a landscape plan	36.96%
3) 3.5.3 Select and place appropriate plant materials for the landscape plan	17.39%
4) 3.5.4 Select and place appropriate hardscape materials for the landscape plan	30.43%
5) 3.5.5 Create plant legends (schedules) from a design	21.74%
4) CONTENT STANDARD 4.0 : APPLY THE PRINCIPLES AND ELEMENTS OF DESIGN	23.19%
1) Performance Standard 4.1 : Explore Principles of Design	23.19%
3) 4.1.3 Determine appropriate proportion and scale in a design	26.09%
6) 4.1.6 Use color, texture and form to create a desired atmosphere	13.04%

7) 4.1.7 Critique unity of the landscape design		30.43%
5) CONTENT STANDARD 5.0 : SELECT PLANT MATERIALS FOR THE LANDSCAPE		26.42%
1) Performance Standard 5.1 : Identify Environmental Factors That Determine Selection		30.43%
1) 5.1.1 Analyze soil characteristics that influence plant selection		21.74%
2) 5.1.2 Analyze climate characteristics that influence plant selection		34.78%
3) 5.1.3 Analyze water use requirements that influence plant selection		30.43%
2) Performance Standard 5.2 : Identify Growth Characteristics That Influence Plant Selection		28.26%
2) 5.2.2 Classify plants by form (i.e. weeping, columnar, spreading)		30.43%
5) 5.2.5 Distinguish between deciduous and evergreen plants		26.09%
3) Performance Standard 5.3 : Identify Plants by Their Function in the Landscape		28.26%
2) 5.3.2 Categorize shrubs by function (i.e. specimen, border, accent, foundation)		26.09%
3) 5.3.3 Categorize herbaceous plants by function (i.e. borders, accent, color beds, containers)		43.48%
4) 5.3.4 Categorize grasses by function (i.e. accent, ornamental, turf)		17.39%
4) Performance Standard 5.4 : Evaluate Nursery Stock Quality		17.39%
1) 5.4.1 Recognize healthy plant characteristics		13.04%
2) 5.4.2 Distinguish between healthy versus defective roots		26.09%
3) 5.4.3 Evaluate nursery stock according to American Association of Nurserymen standards		13.04%
6) CONTENT STANDARD 6.0 : EXPLORE HARDSCAPES IN LANDSCAPE PLANNING		36.52%
1) Performance Standard 6.1 : Select Hardscape Materials		40.58%
1) 6.1.1 Define hardscape		47.83%
2) 6.1.2 List components in a hardscape design (i.e. patios, water features, walkways, shade structures)		26.09%
4) 6.1.4 Compare and contrast materials used in hardscapes		47.83%
2) Performance Standard 6.2 : Examine Hardscape Construction Techniques		30.43%
1) 6.2.1 Compare and contrast walkway construction materials and methods (i.e. concrete, pavers, stone)		34.78%
2) 6.2.2 Compare and contrast wall construction materials and methods (i.e. poured in place, cinderblock, segmental retaining wall)		26.09%
7) CONTENT STANDARD 7.0 : EXPLORE IRRIGATION SYSTEMS		37.58%

1) Performance Standard 7.1 : Prepare for Installation of Irrigation System	48.91%
1) 7.1.1 Analyze site conditions	39.13%
2) 7.1.2 Calculate area coverage dimensions	52.17%
3) 7.1.3 Establish design capacity of the site (flow rate (GPM) and pressure (PSI))	30.43%
4) 7.1.4 Identify components of drip and sprinkler irrigation systems (i.e. pipes, fittings, valves)	73.91%
2) Performance Standard 7.2 : Design a Turf Sprinkler System	31.88%
1) 7.2.1 Recognize common symbols and detail drawings used in an irrigation design	13.04%
2) 7.2.2 Establish sprinkler pattern and spacing	43.48%
5) 7.2.5 Select appropriate controller for system	39.13%
3) Performance Standard 7.3 : Design a Drip System	31.3%
1) 7.3.1 Recognize common symbols and detail drawings used in a drip system	26.09%
2) 7.3.2 Establish emitter pattern and spacing	30.43%
3) 7.3.3 Calculate number of emitters, valves, drains and the length of pipe and tubing needed	30.43%
4) 7.3.4 Calculate the cost of the parts, supplies, and labor for system installation	34.78%
5) 7.3.5 Select appropriate controller for system	34.78%
4) Performance Standard 7.4 : Maintain an Irrigation System	39.13%
5) 7.4.5 Determine the correct procedure for adjusting the height and spray of sprinklers	39.13%
6) 7.4.6 Determine the potential causes of faulty valves	39.13%
8) CONTENT STANDARD 8.0 : INSTALL A LANDSCAPE AREA BASED ON A LANDSCAPE DESIGN	30.1%
1) Performance Standard 8.1 : Prepare Landscape Site	13.04%
1) 8.1.1 Prepare landscape site to establish grade	13.04%
2) 8.1.2 Locate utilities	13.04%
2) Performance Standard 8.2 : Install Plants	34.16%
1) 8.2.1 Calculate landscape measurements	47.83%
2) 8.2.2 Layout plant placement per design	39.13%
3) 8.2.3 Prepare planting holes using best management practices of the landscape industry	32.61%

4) 8.2.4 Plant seeds, bulbs, ground covers, annuals, perennials, and/or woody plants according to best management practices of the landscape industry	26.09%
5) 8.2.5 Provide post-planting care, such as appropriate watering, bracing and mulching	30.43%
3) Performance Standard 8.3 : Prepare a Cost Estimate for a Landscape Plan	31.52%
1) 8.3.1 Differentiate between an estimate and a bid	26.09%
2) 8.3.2 Calculate the amount of time required to complete a job	52.17%
3) 8.3.3 Define overhead costs	13.04%
4) 8.3.4 Prepare a final bid for the landscape design and installation project	34.78%
9) CONTENT STANDARD 9.0 : EXPLORE TURFGRASS INSTALLATION AND MAINTENANCE PRACTICES	39.67%
1) Performance Standard 9.1 : Selection of Turfgrasses	45.65%
1) 9.1.1 Select grasses according to potential use and environment	52.17%
2) 9.1.2 Distinguish between warm and cool season grass species	39.13%
2) Performance Standard 9.2 : Methods of Turfgrass Establishment	41.3%
1) 9.2.1 Compare and contrast methods of establishment (i.e. seed, sod, plugging, sprigging)	41.3%
3) Performance Standard 9.3 : Managing Turfgrass	35.87%
3) 9.3.3 Compare and contrast the use of reel and rotary mowers	60.87%
5) 9.3.5 Demonstrate proper mowing practices	28.26%
6) 9.3.6 Describe turfgrass pest control strategies associated with IPM	26.09%
10) CONTENT STANDARD 10.0 : TREE AND SHRUB MANAGEMENT PRACTICES	32.37%
1) Performance Standard 10.1 : Explore Pruning Practices	30.43%
1) 10.1.1 Identify tools used for pruning trees and shrubs	39.13%
2) 10.1.2 Demonstrate industry standard practices for pruning trees and shrubs	26.09%
2) Performance Standard 10.2 : Explore Mulching	31.88%
1) 10.2.1 Compare and contrast organic and inorganic mulches	47.83%
2) 10.2.2 Summarize the benefits of mulching	26.09%
3) 10.2.3 Calculate volume of mulch required for a site	21.74%
3) Performance Standard 10.3 : Managing Trees and Shrubs	34.78%
1) 10.3.1 Select appropriate fertilizers and application methods	39.13%
3) 10.3.3 Describe pest control strategies associated with IPM	32.61%
11) CONTENT STANDARD 11.0 : INTEGRATED PEST MANAGEMENT (IPM)	24.28%

1) Performance Standard 11.1 : Describe Integrated Pest Management	47.83%
2) 11.1.2 Summarize the benefits of IPM	47.83%
2) Performance Standard 11.2 : Explore Common Pests and Diseases	19.57%
1) 11.2.1 Summarize the etiology, clinical signs, treatment , and prevention of common plant diseases	17.39%
2) 11.2.2 Identify weed, insect, and rodent pests	21.74%
3) 11.2.3 Differentiate between infectious and noninfectious diseases	21.74%
3) Performance Standard 11.3 : Explain Procedures for The Safe Handling , Use And Storage Of Pesticides	23.48%
1) 11.3.1 Identify and utilize appropriate safety measures when applying pesticides	21.74%
2) 11.3.2 Interpret pesticide labels	26.09%
3) 11.3.3 Explain procedures for storing and disposing of pesticides	30.43%
4) 11.3.4 Evaluate environmental and consumer concerns regarding pest management	17.39%
5) 11.3.5 Mix pesticides according to label directions	21.74%
4) Performance Standard 11.4 : Explore Pesticide Certifications	23.91%
1) 11.4.1 Explore requirements for obtaining Pesticide Applicators License	23.91%
12) CONTENT STANDARD 12.0 : EXPLORE CAREER OPPORTUNITIES IN THE LANDSCAPING INDUSTRY	21.74%
1) Performance Standard 12.1 : Understand Employment Fields in the Landscaping Industry	21.74%
1) 12.1.1 List and describe the types of employment opportunities in the landscaping industry	34.78%
4) 12.1.4 Research additional industry certifications available (PLANET, Irrigation Association, etc)	8.7%