



## **NURSERY AND LANDSCAPE CAREER DEVELOPMENT EVENT**

**PURPOSE:** Participants in the **Nursery/Landscape CDE** apply skills in maintaining landscape plants and related products, evaluating equipment and services and understanding landscape design.

**FORMAT:** The State Nursery and Landscape Career Development Event will be conducted for teams 4 participants, all of whose scores will be used in team ranking calculations.

### **PHASE I - GENERAL KNOWLEDGE EXAMINATION (50 POINTS)**

Fifty multiple-choice questions will be prepared on topics reflecting subject areas in the objectives. This phase will evaluate the participants' knowledge and understanding of basic horticultural principles in producing, marketing, using and maintaining nursery plants and turf. Participants are allowed 50 minutes to complete this phase. Each answer has a value of one point.

### **PHASE II - IDENTIFICATION OF PLANTS (50 POINTS)**

Participants will identify items selected from the provided list covering the category of Plant Identification. Plants to identify will be presented as intact, live specimens. Each specimen will be designated by a station number (1-25) and is worth a total of two points. When the participant identifies the item, its name is then located on the identification list. The participant then records the number by that name on the score sheet at the respective station number.

Each participant will be provided a copy of the list at the event site. Two points will be awarded for each correct identification. Participants have 45 minutes to complete this event phase. No specimens or items may be touched or handled in any way.

Specimens may include any of the following plants:

*Abelia x grandiflora* / Glossy Abelia  
*Abies concolor* / White Fir  
*Acer platanatum* cv. / Japanese Maple  
*Acer rubrum* cv. / Norway Maple  
*Acer saccharum* cv. / Sugar Maple  
*Ajuga reptans* cv. / Carpet Bugle  
*Antirrhinum majus* cv. / Snapdragon  
*Aquilegia x hybrida* cv. / Columbine  
*Amelanchier arborea* / Downy  
Serviceberry  
*Astilbe hybrid* cv. / Astilbe

*Begonia semperflorens-cultorum* / Wax  
Begonia  
*Berberis x mentorensis* / Mentor  
Barberry  
*Betula nigra* / River Birch  
*Brassaia actinophylla* / Schefflera,  
Octopus Tree  
*Buxus microphylla* cv. / Littleleaf  
Boxwood

*Camellia japonica* cv. / Common  
Camelia  
*Cedrus atlantica 'Glauca'* / Blue Atlas  
Cedar  
*Cercis canadensis* / Redbud  
*Chaenomeles speciosa* cv. / Japanese  
(Flowering) Quince  
*Chrysanthemum x superbum* cv. /  
Shasta Daisy  
*Cornus florida* cv. / Flowering  
Dogwood  
*Cotoneaster dammeri* / Bearberry  
Cotoneaster  
*Cotoneaster divaricatus* / Spreading  
Cotoneaster  
*Crataegus phaenopyrum* / Washington  
Hawthorn  
*Cynodon dactylon* cv. / Bermudagrass

*Dieffenbachia maculata* cv. Spotted  
Dumb Cane

*Dracaena deremensis 'Warneckii'* /  
Striped Dracaena  
*Dracaena fragrans 'Massangeana'* /  
Corn Plant

*Echinacea purpurea* / Purple  
Coneflower  
*Epipremnum spp.* / Pothos  
*Euonymus alatus* / Winged Euonymus  
*Euonymus fortunei* cv. / Wintercreeper

*Fagus sylvatica* cv. / European Beech  
*Festuca spp. and cv.* / Fescue  
*Ficus benjamina* / Benjamin Fig  
*Ficus elastica 'Decora'* / Decora Rubber  
Plant  
*Forsythia x intermedia* cv. / Border  
*Forsythia*  
*Fraxinus americana* cv. / White Ash

*Gaillardia aristata* cv. / Common  
Blanketflower  
*Gardenia jasminoides 'Fortuniana'* /  
Common Gardenia  
*Ginkgo bilboa* / *Ginkgo*, Maidenhair  
Tree  
*Gleditsia triacanthos inermis* cv. /  
Thornless Honeylocust

*Hedera helix* cv. / English Ivy  
*Hemerocallis spp. and cv.* / Day lily  
*Hosta x hybrida* cv. / Plaintain Lily  
*Hydrangea quercifolia* / Oakleaf  
Hydrangea  
*Ilex cornuta* cv. / Chinese Holly  
*Ilex crenata* cv. / Japanese Holly  
*Ilex x meserveae* cv. / Meserve Holly  
*Impatiens hybrid* cv. / Impatiens  
*Iris x germanica florentina* cv. /  
Bearded Iris  
*Juniperus chinensis* cv. / Chinese  
Juniper  
*Juniperus horizontalis* cv. / Creeping  
Juniper

*Lagerstroemia indica* cv. / Crape Myrtle  
*Liquidambar styraciflua* / Sweet Gum  
*Liriodendron tulipifera* / Tuliptree  
*Liriope* spp. cv. / Lily-Turn  
*Lobularia maritima* / Sweet Alyssum  
*Lonicera japonica* 'Halliana' / Hall's  
Japanese Honeysuckle

*Magnolia grandiflora* cv. / Southern  
Magnolia  
*Magnolia x soulangiana* cv. / Chinese  
(Saucer) Magnolia  
*Mahonia aquifolia* cv. / Oregon Grape  
*Malus* spp. and cv. / Flowering  
Crabapple  
*Myrica pensylvanica* / Bayberry

*Nandina domestica* / Heavenly Bamboo  
*Narcissus pseudonarcissus* cv. /  
Daffodil  
*Nyssa sylvatica* / Sour (Black) Gum  
*Pachysandra terminalis* / Japanese  
Spurge  
*Paeonia hybrid* cv. / Peony  
*Parthenocissus tricuspidata* / Boston  
Ivy  
*Pelargonium x hortorum* cv. / Zonal  
Geranium  
*Pennisetum ruppia* / Fountain Grass  
*Petunia x hybrida* cv. / Petunia  
*Philodendron scandens oxycardium* /  
Heartleaf Philodendron  
*Picea abies* / Norway Spruce  
*Picea pungens* cv. / Colorado (Blue')  
Spruce  
*Pieris japonica* / Lily-of-the-Valley  
Bush  
*Pinus mugo* / Mugo Pine  
*Pinus strobus* / Eastern White Pine  
*Pinus sylvestris* / Scotch Pine  
*Pinus thunbergiana* / Japanese Black  
Pine  
*Platanus x acerifolia* / London Planetree  
*Poa pratensis* cv. / Kentucky Bluegrass  
*Podocarpus macrophyllus* / Southern  
Yew

*Potentilla fruticosa* cv. / Shrubby  
Cinquefoil  
*Prunus laurocerasus* cv. / Cherry Laurel  
*Prunus serrulata* 'Kwanzan' / Kwanzan  
Japanese Flowering Cherry  
*Pyracantha coccinea* cv. / Firethorn

*Quercus alba* / White Oak  
*Quercus palustris* / Pin Oak  
*Quercus rubra* / Red Oak

*Rhododendron x catawbiense* / Catawba  
Hybrid Rhododendron  
*Rhododendron Hybrid* / Exbury Hybrid  
Azalea  
*Rosa* spp. Class Hybrid Tea cv. / Hybrid  
Tea Rose

*Salvia nemorosa* / Meadow Sage  
*Sedum spurium* cv. / Sedum  
*Solenostemon scutellarioides* / Coleus  
*Sorbus aucuparia* / European Mountain  
Ash  
*Spiraea x bumalda* / Bumalda Spirea  
*Syringa vulgaris* cv. / Common Lilac

*Tagetes* spp. cv. / Marigold  
*Taxodium distichum* / Bald Cypress  
*Taxus* spp. and cv. / Yew  
*Thuja occidentalis* cv. / American  
Arborvitae  
*Tilia cordata* / Littleleaf Linden  
*Tsuga canadensis* / Canadian Hemlock  
*Tulipa* spp. cv. / Tulip

*Verbena x hybrida* cv. / Garden Verbena  
*Viburnum x burkwoodii* / Burkwood  
Viburnum  
*Viburnum trilobum* / American  
Cranberrybush Viburnum  
*Vinca minor* cv. / Periwinkle  
*Viola x wittrockiana* cv. / Pansy  
*Wisteria sinensis* cv. / Chinese Wisteria

*Yucca filamentosa* / Adam's Needle  
*Zinnia elegans* / Zinnia

### PHASE III - LANDSCAPE DRAWING (100 POINTS)

This practicum is designed to evaluate participants' knowledge of and ability in:

1. Reading and interpreting a landscape drawing.
2. Measuring and calculating materials needed to execute a landscape plan and maintain a landscape.

The practicum will be completed as a group activity. A landscape drawing and scratch paper will be provided to the participants. There will be 20 questions about the landscape plan, and each correct answer has a value of 5 points. The questions may include such topics as calculating distances, areas, and volumes based on the plan, determining quantities and costs of plants and other landscape materials, calculating turf seeding or fertilizer rates, and answering questions about plant selection and landscape design principles. Sixty minutes will be allowed for this practicum. Participants will record their answers on a separate score sheet.

### SCORING

Individual participant scores are the sum of the first two individual phases of the event, and team scores are the sum of **the top 4** of the individual scores for each of the first two phases plus the group portion of the team activity.

Phase	Possible Points	
	Member	Team
1. Examinations	50	200
2. Identification	50	200
3. Landscape Drawing		<u>100</u>
<b>Total</b>	<b>100</b>	<b>500</b>
<b>TEAM TOTAL</b>		<b>500</b>

### TIEBREAKERS

If needed in the case of tied individual or team total scores, final placings will be determined by comparing, in order, scores for the following:

1. Phases 1-2
2. Phase 3