**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 plamatum*** cv. / Japanese Maple

***Acer rubrum*** cv. / Norway Maple

***Acer saccharum*** cv. / Sugar Maple

# ***Ajuga reptans*** cv. /Carpet Bugle

# ***Antirrihinum 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 fragens ‘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,*** Maindenhair 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 Japonese 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 rupplia /*** 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

***Rhododendrun 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 100

**Total 100 500**

**TEAM TOTAL 500**

**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