1. **SOIL PROPERTIES**

1. **Parent material** (5 points)
   - A Weathered bedrock
   - B Till
   - C Outwash/lacust. deposit
   - D Eolian sand
   - E Loess
   - AB Alluvium
   - AC Local overwash

2. **Slope** (5 points)
   - A 0-2%
   - B 3-6%
   - C 7-12%
   - D 13-18%
   - E 19-25%
   - AB 26-35%
   - AC >35%

3. **Landform** (5 points)
   - A Upland hillslope
   - B Upland swell
   - C Upland depr./flat
   - D Dune
   - E Filled depression
   - AB Outwash landfm., hillslope
   - AC Outwash landfm., swell
   - AD Outwash landfm., depr./flat
   - AE Flood plain

4. **Color, surface** (5 points)
   - A Dark
   - B Gray
   - C Brownish

5. **Erosion** (5 points)
   - A None to slight
   - B Moderate
   - C Severe

6. **Texture, surface** (5 points)
   - A Sandy (S, LS)
   - B Moderately sandy (SL)
   - C Medium (L, SiL, Si)
   - D Moderately clayey (SCL, CL, SiCL)
   - E Clayey (SC, C, SiC)
   - S = Sand(y), Si = Silt(y), C = Clay, L = Loam(y)

7. **Texture, subsoil** (5 points)
   - A Sandy (S, LS)
   - B Moderately sandy (SL)
   - C Medium (L, SiL, Si)
   - D Moderately clayey (SCL, CL, SiCL)
   - E Clayey (SC, C, SiC)

8. **Natural soil drainage** (5 points)
   - A Poorly
   - B Somewhat poorly
   - C Moderately well
   - D Well

9. **Limiting layer** (5 points)
   - A Bedrock, 0-20 in.
   - B Bedrock, 21-40 in.
   - C Dense till, 0-20 in.
   - D Dense till, 21-40 in.
   - E Fragipan, 0-20 in.
   - AB Fragipan, 21-40 in.
   - AC Coarse sand & gravel, 0-20 in.
   - AD Coarse sand & gravel, 21-40 in.
   - AE None within 40 in.

II. **HOMESITE PRACTICES** (3 points each)

A. General homesite practices

*Areas subject to flooding and ponding are not suitable for homesites.* Mark all YES-NO practices NO, and do not answer questions (58 - 61 and 69) if the landform is a floodplain or a filled depression.

**YES** **NO**

**Homesite construction practices**

51. A B Maintain soil cover during construction
52. A B Improve surface drainage
53. A B Improve surface soil
54. A B Locate home to fit soil restrictions
55. A B Provide foundation drainage
56. A B Accommodate high-clay subsoils
57. A B Install diversion structures and drains

**Landscape and lawn practices**

58. Acid loving plants: A No adj; B Acidify; C Oth spcs

For lawns:

59. pH adjustment: A Lime; B No adj.; C Acidify
60. Phosphorus: A Apply; B Do not apply
61. Potassium: A Apply; B Do not apply

B. **On-site wastewater disposal practices**

*Soils with slope greater than 12% are not suitable for on-site wastewater disposal systems.* If the slope is greater than 12%, then mark 62 - 68 NO, and do not answer 69.

**YES** **NO**

**Soil absorption fields**

62. A B Trench system, ordinary size
63. A B Trench system, large size
64. A B At-grade system
65. A B Mound system
66. A B Drip distribution system

**Secondary treatment systems**

67. A B Sand filter
68. A B Constructed wetland

**Septic tank pumping interval (years)**

1 2 3 4 5 6

69. A B C D E AB

**Score**

<table>
<thead>
<tr>
<th>Part I, 1-9 (45 pts. possible)</th>
<th>Part II, 51-69 (57 pts. possible)</th>
<th>Total (102 pts. possible)</th>
</tr>
</thead>
</table>