

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## EXAM FOR THE CERTIFICATION OF SEPTIC SYSTEM INSPECTORS

MUST BE ACCOMPANIED BY THE REGISTRATION FORM

**INSTRUCTIONS:** Each answer MUST include the section from the Maine Subsurface Wastewater Disposal Rules (Effective Date: September 23, 2023).

- To reference a **section**, please use the following format: Section 16(C).
- To reference a **table**, please use the following format: Section 4 (C)(3), Table 4A

**PART ONE:** Please CIRCLE ONE choice that best answers the question

1. A site evaluation is required for this type of alternative toilet:

- composting
- chemical
- pit privy
- incinerating
- vault privy

Section: \_\_\_\_\_

2. The design flow for a single-family dwelling unit with five bedrooms is \_\_\_\_\_ gallons per day:

- 300
- 270
- 450
- 540
- 360

Section: \_\_\_\_\_

3. The design flow for a single-family dwelling unit with three bedrooms is \_\_\_\_\_ gallons per day:

- 300
- 270
- 450
- 540
- 360

Section: \_\_\_\_\_

4. The site plan of a disposal system with a design flow of 1000 to 1999 gpd shall depict site features that affect the system design within at least a \_\_\_\_\_foot radius around the system.
- a. 75
  - b. 100
  - c. 200
  - d. 300
  - e. 500

Section: \_\_\_\_\_

5. A new septic tank may NOT be constructed of the following material:
- a. Fiberglass
  - b. Polyethylene
  - c. Metal
  - d. Reinforced poured-in-place-concrete
  - e. Precast reinforced concrete

Section: \_\_\_\_\_

6. The minimum liquid capacity of an individual septic tank shall be \_\_\_\_\_ gallons for any use.
- a. 750
  - b. 500
  - c. 1000
  - d. 800
  - e. 600

Section: \_\_\_\_\_

7. The allowed method(s) for discharge of septic tank effluent to the disposal field and distribution of septic tank effluent within the disposal field is/ are?
- a. Gravity flow method
  - b. Gravity dosing method
  - c. Low pressure dosing method
  - d. Serial dosing method
  - e. All of the above

Section: \_\_\_\_\_

8. In gravity flow piping at least one cleanout shall be provided for every \_\_\_\_\_ feet of connecting pipe in a gravity system.
- a. 25
  - b. 50
  - c. 75
  - d. 100
  - e. 150

Section: \_\_\_\_\_

9. The minimum pitch of the building sewer is \_\_\_\_\_ inch per foot.
- a. 1/2
  - b. 3/8
  - c. 1/4
  - d. 1/8
  - e. 1/16

Section: \_\_\_\_\_

10. The minimum pitch of the gravity effluent line is \_\_\_\_\_ inch per foot.
- a. 1/8
  - b. 1/16
  - c. 1/4
  - d. 1/2
  - e. 1/32

Section: \_\_\_\_\_

11. A subsurface wastewater disposal system with a design flow of \_\_\_\_\_ gallons per day is considered an engineered system.
- a. 100
  - b. 500
  - c. 1000
  - d. 1500
  - e. 2000

Section: \_\_\_\_\_

12. Immediately above the filter fabric or proprietary devices, fill is required as specified on the plans. It shall be a minimum of \_\_\_\_\_ inches in thickness (including cover material).
- a. 18
  - b. 12
  - c. 10
  - d. 8
  - e. 4

Section: \_\_\_\_\_

13. The minimum required shoulder width for a disposal field installed partially in or above the ground is \_\_\_\_\_ feet.
- a. 10
  - b. 8
  - c. 5
  - d. 3
  - e. 2

Section: \_\_\_\_\_

14. The minimum disposal field stone depth shall extend at least \_\_\_\_\_ inches beneath the bottom of the distribution pipes and shall extend at least 1 inch above the top of the distribution pipes.
- a. 12
  - b. 10
  - c. 9
  - d. 8
  - e. 7

Section: \_\_\_\_\_

15. On a stone and pipe disposal area, the stone must be covered with \_\_\_\_\_?
- a. 2 inches of hay
  - b. 2 Inches of compressed hay
  - c. filter fabric
  - d. both b & c
  - e. backfill material

Section: \_\_\_\_\_

16. The potable water supply setback for a 270 gallon per day disposal field is:

- a. 75 feet
- b. 100 feet
- c. 150 feet
- d. 175 feet
- e. None, as long as the abutter agrees.

Section: \_\_\_\_\_

17. No portion of a structure is allowed to be located on or over any part of a disposal system unless \_\_\_\_\_

- a. Authorized by a Site Evaluator
- b. Authorized by the LPI
- c. Authorized by both Site Evaluator and LPI
- d. A variance to the building code is needed
- e. None of the above

Section: \_\_\_\_\_

18. The installation must conform with the design by the Site Evaluator except when:

- a. There's no other alternative
- b. When the disposal field is located outside the shoreland zone
- c. Its smaller than a 2-bedroom design
- d. When installed by a certified contractor
- e. None of the above

Section: \_\_\_\_\_

19. The size of stone in a disposal field that is to be used are \_\_\_\_\_?

- a.  $\frac{3}{4}$  "
- b.  $\frac{3}{4}$  " or 1-1/2"
- c. 1-1/2"
- d.  $\frac{3}{4}$  " & 1-1/2"
- e. 2"

Section: \_\_\_\_\_

20. After the required inspections by the LPI, a certificate of approval will be issued by\_\_\_\_\_
- a. signing the permit
  - b. issuing a separate document
  - c. a verbal notification
  - d. the Site Evaluator
  - e. Both A & B

Section: \_\_\_\_\_

**PART TWO:** When answering the question, please CIRCLE ALL THAT APPLY

21. The vegetative cover(s) required to be placed above the disposal field and the fill extensions are \_\_\_\_\_ and may be utilized for all disposal field surfaces.

- a. grass
- b. trees
- c. vetch
- d. woody shrubs
- e. perennial wild flowers

Section: \_\_\_\_\_

22. For the purpose of the Rules, an abutter is defined to include that property, which is:

- a. within 300 feet of the disposal system.
- b. down slope of the disposal system.
- c. within the water shed of the disposal system
- d. separated by a right of way
- e. within 100 feet of the disposal system

Section: \_\_\_\_\_

23. The indications of a malfunctioning system include:

- a. ponding of effluent on the ground
- b. very green grass on top of the disposal area
- c. contamination of wells near the disposal system
- d. back up of wastewater into a building

Section: \_\_\_\_\_

24. A septic Tank shall have a minimum of 1 riser \_\_\_\_\_

- a. over the opening to facilitate pumping
- b. extended to 6 inches from grade.
- c. Extended to grade
- d. Over the inlet

Section: \_\_\_\_\_

25. on a pump station, the high water alarm and the pump must be connected by\_\_\_\_\_
- a. separate circuits
  - b. same circuits
  - c. an electrician
  - d. by the installer
  - e. a construction grade orange extension cord

Section: \_\_\_\_\_