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Continuing Education Course #243
Soil Erosion & Sediment Control Plans

1. Stockpiling topsoil on a construction site is a permanent soil erosion control measure.
 - a. True.
 - b. False
2. What is the estimated design life of a check dam?
 - a. 1 year.
 - b. 2 years.
 - c. 10 years.
 - d. It has an unlimited life span.
3. What is the primary purpose of a grade stabilization structure?
 - a. To intercept and divert runoff.
 - b. To capture sediment.
 - c. To preserve existing vegetation.
 - d. To prevent erosion.
4. Where can sediment traps be used?
 - a. At pipe outlets.
 - b. At storm inlets.
 - c. At riprap outlets.
 - d. At all of the above locations.
5. What is the risk of erosion for sandy soil at a slope of 2%.
 - a. Low.
 - b. Medium.
 - c. High.
 - d. Very high.
6. Is it necessary to properly bury silt fence?
 - a. Yes.
 - b. No.
7. Why should existing and proposed inlets be protected during construction?
 - a. To prevent runoff from entering the inlets.
 - b. To allow for all of the runoff to enter the inlets.
 - c. To prevent sediment from clogging the inlets or affecting downstream areas.
8. How often should a stabilized construction access point be maintained?
 - a. Yearly.
 - b. Monthly.

- c. Daily.
- d. They do not need maintenance.
9. On a construction site, snow fence can only be used to protect trees from construction vehicles.
- a. True.
- b. False.
10. What is one of the most effective means of stabilizing a construction site and minimizing erosion?
- a. A stabilized construction entrance.
- b. Well-positioned silt fence.
- c. The establishment of a thriving vegetative cover.
- d. Inlet filter barriers.
11. When should mulch anchoring be accomplished?
- a. Immediately after placement of the mulch.
- b. Within 1 month of placing the mulch.
- c. Within 1 year of placing the mulch.
- d. Mulch does not need to be anchored.
12. Emulsified asphalt can be used as a liquid mulch binder because it is easy to apply and will not discolor the surface.
- a. True.
- b. False.
13. Temporary seeding is applied after all other land disturbing activities are complete.
- a. True
- b. False.
14. In preparing a seedbed, how much limestone should be applied to clay loam soil?
- a. 1 ton per acre.
- b. 2 tons per acre.
- c. 3 tons per acre.
- d. No limestone is required.
15. When is hydroseeding appropriate?
- a. It can be used for all seeding applications.
- b. it is used over difficult areas that make conventional seeding difficult or impossible.
- c. it is used when the season is not appropriate for conventional seeding.
16. Under what conditions can conduit outlet protection be eliminated?
- a. When hydraulic analysis proves that the velocities are not erosive.
- b. When the runoff water is sediment-laden.
- c. When the runoff water is sediment-free.
- d. When the outlet pipe discharges directly into a wetland area.
17. Below what velocity is a clay loam soil not erosive?
- a. 1.8 FPS.
- b. 3.0 FPS.
- c. 4.0 FPS.
- d. 5.5 FPS.
18. What is the stone size required for a riprap apron with the following parameters?
The outlet pipe is 24" in diameter.

The tailwater depth is 6".
The design flow is 45 CFS.

- a. 6".
- b. 12".
- c. 24".
- d. 48".

19. What is required length of the riprap apron in question #18?

- a. 43'.
- b. 33'.
- c. 23'
- d. 10'.

20. Sandfencing can be used for what purpose.

- a. it can be used in lieu of silt fence.
- b. It can be used to build a sand dune.
- c. it can be used in lieu of a sediment basin.

21. Does planting vegetation on both sides of a fence increase the fence's effectiveness in building a sand dune?

- a. Yes.
- b. No.

22. Which of the following is not used to control dust on a construction site?

- a. Water.
- b. Latex emulsion.
- c. Silt sacks.
- d. Acidulated soy bean soap stock.

23. A sediment basin should be designed to do what?

- a. Control runoff.
- b. Intercept sediment.
- c. Both of the above.
- d. Neither of the above.

24. A sequence of construction is an integral part of a complete soil erosion and sediment control plan.

- a. True.
- b. False.

25. Is it necessary to inspect and maintain all soil erosion and sediment control features on a job site on a regular basis?

- a. Yes.
- b. No.

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