

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 58013

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

One Credit

Civil Engineering

15UCE863 - WATER CONSERVATION TECHNIQUES

(Regulation 2015)

Duration: Three hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The vertical shaft that was constructed in hilly regions to catch rain water is termed as
(a) Qanats (b) Bhandaras (c) Naulas (d) Kull
2. _____ is a bunch of small droplets of water which are in the air.
(a) Glaze (b) Rime (c) Sleet (d) Mist
3. The Non recording type of rain gauge give the amount of precipitation for
(a) 1 week (b) 1 day (c) 3 days (d) 5 days
4. For an impervious are the curve number is
(a) 50 (b) 78 (c) 30 (d) 98
5. Which of the following type of soil comes under Class D?
(a) River sand (b) Gravel (c) Clay (d) Fine sand
6. Maximum acceptable seepage loss in a water storage structure is
(a) 7 cm/d (b) 12 cm/d (c) 15 cm/d (d) 5 cm/d

7. Site with sub soil layer containing _____ will absorb water from the storage structures.
- (a) lime stone (b) Bauxite (c) Calcium carbonate (d) Quartz
8. The permissible limit of pH in wastewater to be used for irrigation is
- (a) 5.5 to 9 (b) 4.5 to 9 (c) 5.5 to 10 (d) 5 to 11
9. When was forest conservation act enacted?
- (a) 1990 (b) 1980 (c) 1982 (d) 1992
10. Usual life span of a check dam is
- (a) 1 year (b) 1-5 year (c) 5-10 year (d) 10-20 year

PART - B (5 x 2 = 10 Marks)

11. Define Water Harvesting.
12. What is you meant by SCS Technique?
13. List out any two Seepage control Techniques.
14. What is meant by watershed Management?
15. What is artificial recharge?

PART - C (2 x 15 = 30 Marks)

16. (a) Explain in detail about SCS technique used for Run off estimation. (15)
- Or
- (b) Explain in detail about various seepage control methods. (15)
17. (a) Explain in detail about various Evaporation control methods. (15)
- Or
- (b) Explain in detail about various ground water Recharge techniques. (15)