

4-2 2nd mid of Water Shed Management for CIVIL

REPSOL

- Q) contour ridges and contour furrows as methods of water harvesting are suitable for the land slope of--> **1 to 3%**
- Q) Contour ridges and contour furrow methods for water harvesting are used in the area with annual rainfall of--> **100 mm**
- Q) Water harvesting is most essential for the region of --> **Humid Zones AND Arid Zones**
- Q) Water harvesting stands for--> **Collection of run off over the ground surface**
- Q) 'Dugout farm ponds' are--> **man made ponds**
- Q) Farm pond is used for --> **water collection**
- Q) Trapezoidal bunds are constructed at contour for the purpose of --> **all above**
- Q) Underground drains are meant for --> **water harvesting AND runoff control**
- Q) A best site for pond construction is --> **a depressed spot with clay layer**
- Q) Large areas with shallow water depth should be --> **avoided for pond construction**
- Q) In a pond, the function of mechanical spillway is to --> **remove the excess water from the pond**
- Q) In a farm pond, emergency spillway acts as --> **safe-guard for pond**
- Q) Which of the following are the favourable conditions for artificial recharge--> **all of the above**
- Q) Diminishing opportunity for natural recharge for ground water basins due to the following factor --> **all of the above**
- Q) Which of the following method is used for artificial recharge of ground water--> **all of the above**
- Q) For confined aquifer which of the following recharge method is suitable--> **pumping water down the wells**
- Q) In injection wells--> **water is pumped into the well**
- Q) In pumping well--> **water is pumped out from the well**
- Q) An injection well --> **increase ground water table**
- Q) A pumping well--> **lowering ground water table**
- Q) In effluent stream--> **ground water is discharged into stream**
- Q) In influent stream--> **stream water is discharged into ground water**
- Q) When a ground water table intersects a surface stream, then the stream is called--> **effluent stream**
- Q) If a surface stream runs well above the ground water table, then the stream is called --> **influent stream**
- Q) Which of the following is a subsurface techniques in artificial recharge methods--> **injections wells**
- Q) Which of the following is not a subsurface techniques in artificial recharge methods--> **flooding**
- Q) Which of the following is not a direct method used in artificial recharge of ground water --> **infiltration gallery**
- Q) Purpose of artificial recharge system is--> **all above**
- Q) Which of the following geomorphology class is more suitable for artificial recharge of ground water--> **Channel fill**
- Q) Which of the following depth of water level (m) class is more suitable for artificial recharge of ground water--> **11-14**
- Q) Which of the following slope class (in degrees) is more suitable for artificial recharge of ground water--> **0-2**
- Q) Which of the following lineament density (m / km²) class is more suitable for artificial recharge of ground water --> **> 2.6**
- Q) A Flat land has--> **lower runoff Coefficient**
- Q) A hilly face always has--> **greater runoff Coefficient**
- Q) 'Runoff Coefficient' represents the contribution of --> **rainfall to yield the runoff**
- Q) The maximum value of runoff Coefficient can be upto--> **1**
- Q) In land use capability classification, class V is recommended for--> **pasture and range management with controlled grazing**
- Q) Land use capability _ Class I, lands are suitable for cultivation with --> **little or no conservation measures**
- Q) Greening in watershed management involves the following--> **agriculture**

4-2 2nd mid of Water Shed Management for CIVIL

- Q)As per land use capability classification (LUCC) the suitable land for cultivation are in--> **class I to Class IV**
- Q)In land use capability classification, the lands suitable for wild life conservation is in--> **Class VII**
- Q)Rabi season starts from--> **October**
- Q)Rainfed, irrigated and irrigated dry crops are grown in--> **Kharif season**
- Q)kharif season starts from--> **June**
- Q)Rainfed, irrigated and irrigated dry crops are grown in--> **Kharif season**
- Q)Which of the following is a perennial crop --> **Sugar cane**
- Q)Which of the following is a eight months crop--> **cotton**
- Q)Which of the following is a rainfed crops--> **Green Gram**
- Q)Which of the following is not a rainfed crops--> **paddy**
- Q)Free board is provided to accomodate the embankment height against--> **oertopping**
- Q)Location of emergency spillway in embankment of pond should be at--> **maximum flood level during expected frequency**
- Q)Which of the following is an important aspect of biomass management--> **All of above**
- Q)Benefits in crop rotation are--> **all of the above**
- Q)Large water sheds are those, in which --> **runoff is major flow**
- Q)Vegetative cover reduces the splashing effect by--> **decreasing erosive power of raindrops AND increasing surface resistance**
- Q)Watershed in a --> **all of the above**
- Q)Small watersheds are those, in which --> **overland flow is predominant**
- Q)Bench terraces are constructes at --> **steep slope**
- Q)Bench terraces are mast effective to control the --> **erosion AND runoff**
- Q)Bench terracing is also called as--> **staircase farming**
- Q)Bench terraces are the --> **platform like construction**
- Q)Functions of check dams is to --> **check the flow velocity AND formulate sedimentation**
- Q)Semi-permanent check dams are constructed, using --> **earth material**
- Q)Spacing of check dams, normally ranges from--> **30 to 60 m**
- Q)Spacing of check dams varies inversely with --> **gully slope**
- Q)At steep slope the depth of flow is--> **less than the flat surface**
- Q)If two drainage basins are different in their size but shap is same, whether they are --> **geometrically similar**
- Q)Compaction reduces--> **soil permeability AND infiltration rate**
- Q)Vegetated soil is more--> **loosened AND permeable**
- Q)Large watersheds normally have--> **heterogeneity**
- Q)The flow contributing area of 2nd order stream is--> **less than 3rd order stream AND higher then 1st order stream**
- Q)In a small watershed--> **land are effects more to the overland flow**
- Q)Large watershed are characterized by --> **significant runoff flow**
- Q)The shape of rising limb of hydrograph is --> **concave**
- Q)The shape of falling limb--> **convex**
- Q)A hydrograph is the plot of --> **discharge rate and time**
- Q)A Hydrograph represents--> **total runoff of drainage basin**
- Q)The base flow is seperated from hydrograph to obtain--> **direct runoff**
- Q)Area below a unit hydrograph is equal to --> **1cm of rainfall excess**
- Q)The shape of hydrograph resulted from a fan shaped drainage basin would be as--> **narrow base width and high peak**
- Q)A fern shaped draingae basin results the hydrograph with --> **broader base width and lower peak**