	Ch3 - Water Resources
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Mary	Exercises
	a to the standards. They are an and builton
814	Answer the following questions in about 30 words.
	Answes the following questions in about 30 words.
	Explain how water becomes a renewable resource.
AQ	Three - Fourth of the earth's surface is
MILLO	covered with water but only a small propostion
Logon	of it accounts for freshwater that can be put to
Allegi	use.
(b)	This freshwater is mainly obtained from surface
Light	runoff and groundwater that is continully being
	renowed and recharged through the hydrological cycle.
	cycle.
(c)	All water moves within the hydrological cycle ensuring
	All water moves within the hydrological cycle enswing that water is a renemable recourses.
	mand alleged med sound put it is a constitution
(ii)	What is water occaricity and what are its main course?
	Water scoricity is the shortage of water but it is
	not only associated with Jugions having low
	rainfall as those that are drought - pront.
(b)	The availability of water resources varies over space
	and time, mainly due to the variations in seasonal
	and annual precipitation; but water scarity in
	most cases is caused by overexploitation exessive
	use and unequal access to water among different
	social groups.
	and the same of th

(iii) Compare the advantages and disadvantages of multipurpose river pagiecle. A a Regulating and damming of rivers offects their natural flow causing pass sedimentation at the bottom of the seservoir, resulting in sockies etream beds and poorer habits for the rivers (b) pans also fragments sivers making it difficult? for aquatic found to migrate especially for spawing.
It has great ecological consequences like salinasator of the soil. (c) At the same time, It has transformed i.e. income increasing the social lands gap botween the riches landower and the landless pour all The dams that were constructed to control floods have triggered floods due to sedimentation in the (e) Moreover, the big dams have mostly been unsuccesful in controlling floods at the time of excessive rainfall. It was also observed that the multi-purpose projects included earthquakes, caused water bone diseases and pests and pollution resulting from excessive use of water. Answer the following questions in about is Discuss how trainwates harvesting in semi-arid regions of Rajasthan is carried out.

ha In the semi-arid and arid regions of Rajasthans, particularly in Bikaner, Phalodi and Barner Barnes almost all the houses traditionally had underground tanks or tankar for storing drinking water. (1) The tanks rould be as large as a hig room. The tankas were part of the well-development rooffop rainwater harvesting system and were buit inside the main house or the courtyard. (c) They were connected to the sloping roofs of the houses through a pipe. Rain falling on the rooftops would travel down the pipe and was stored in these underground 'tankas' a) They were rainwater from the subsequent showers was then collected. The rainwater can be stored in the tankas till the next rainfall making it an extremely reliable sources of drinking water when all other sources are dried up, particularly in the summers (e) the The first spell of rain was usually not collected, as this would clean the roofs and the pipes. Al Rainwater, or palar pari, as commonly referred to in these parts, is considered the purest form of natural moter. Many houses constructed underground rooms adjoining the 'tanko' to beat the summer heat as it would keep the room cool. (ii) Describe how mordern adaptations of traditional rainwater harvasting methods are being carried out to conserve and store water.

Ans a fortunately, in many parts of rural and urban! India, roof top rainwater horvesting is being Sucessfully adopted to store and conserve water (b) In Gendathur, a remote backward village in Mysore Karnataka, villagers have installed, in their house hold's rooftop, rain water - horvesting system to meet their water needs. 10 Neerly 200 households have installed this system of being sich in rainwater. (d) Rainwater hourvesting is once again being conserved through mardern adaptation. Rainwater running down from roofs is not jed into drains. Instead it lis hiped into undergraund reservoire: